VIRGINIA

Vital Statistics

1990 Annual Report

VDH VIRGINIA DEPARTMENT OF HEALTH

COMMONWEALTH of VIRGINIA

ROBERT B. STROUBE, M.D., M.P.H.
COMMISSIONER

Department of Health

The Honorable Lawrence Douglas Wilder
Governor of Virginia
Richmond, Virginia

Dear Governor Wilder:

It is a pleasure to present the seventy-eighth Vital Statistics Annual Report of the Virginia Department of Health for calendar year 1990.

The report contains narrative descriptions and/or statistical tables of vital records and communicable diseases relative to the experiences of Virginia and her citizens during 1990 and indicates trends of specific events during recent years.

Data in the report indicate that Virginia births continued to increase during 1990 resulting in the highest number of births on record and the highest birth rate since 1971.

Below are shown the growth in Virginia vital events since 1950.

Vital Events With Rates Per 1,000 For Selected Years
Virginia, 1950-1990

Year	Births		Deaths		Induced Abortions		Natural Fetal Deaths		Marriages		Divorces	
	Number	Rate*	Number	Rate*	Number	Rate#	Number	Rate#	Number	Rate*	Number	Rate*
1950	81,986	24.6	29,680	8.9	N/A	N/A	N/A	N/A	36,732	11.0	5,941	1.8
1960	95,716	24.0	34,400	8.6	N/A	N/A	N/A	N/A	37,519	9.4	7,348	1.8
1970	86,081	18.5	39,009	8.4	1,633	1.6	6,840	6.8	51,964	11.1	11,879	2.5
1980	78,423	14.7	42,496	7.9	30,062	23.1	6,448	4.9	60,210	11.3	23,615	4.4
1990	98,752	16.0	47,652	7.7	32,353	21.1	7,696	5.0	71,043	11.5	27,307	4.4

* Rates per 1,000 Population
\# Rates per 1,000 Females 15-44
N/A - Not Available

Respectfully submitted,

Robert B. Stroube, M.D., M.P.H.
State Health Commissioner

Virginia

1990
Vital Statistics
Annual Report

Center For Health Statistics

Virginia Department Of Health
Richmond, Virginia
December, 1991

Additional copies of this report may be ordered for $10.00 from

Virginia Department of Health
Center For Health Statistics
109 Governor Street, Room 307
Richmond, VA 23219

(804) 786-6206

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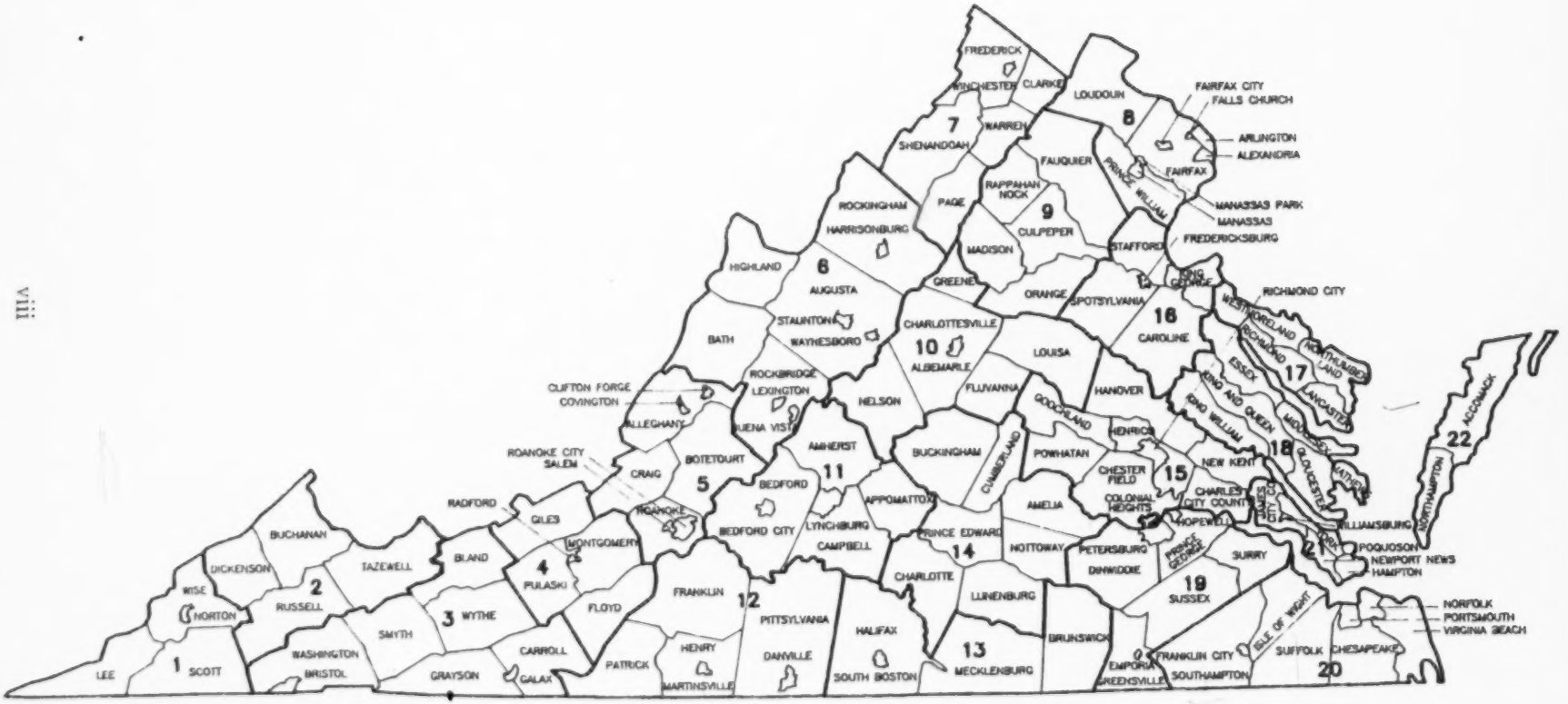
PLANNING DISTRICTS AND THEIR COMPONENT COUNTIES AND INDEPENDENT CITIES COMMONWEALTH OF VIRGINIA



SOURCE: Virginia Department Of Health

Analysis of the Data for 1990

Total Pregnancies
Total Live Births
Induced Abortions
Natural Fetal Deaths

Infant Deaths
Maternal Deaths
Total Deaths
Cremations

Marriages
Divorces

CHAPTER I

INTRODUCTION

Vital Statistics data for Virginia for the year 1990 are presented in this Statistical Annual Report, the seventy-eighth in the series. Data regarding births and deaths have been compiled each year since 1913, the year after the General Assembly passed the original Vital Statistics Act. Marriage data are available for each year since 1917, and divorce statistics have been recorded and tabulated since 1918. Currently, certificates are filed in the Division of Vital Records and data are tabulated by the Center for Health Statistics.

In this report, the data are described and briefly analyzed in chapter and narrative form. Vital statistics are presented in detailed tables showing trends experienced in Virginia for the twenty-one year period 1970-1990. For 1990 events, tables containing information for the State and for independent cities and counties are also included. Cities and counties are grouped into the twenty-two State planning districts, and planning district totals are also given.

Most tabulations in the report are based on live births, induced abortions, natural fetal deaths, infant deaths, resident deaths, marriages, and divorces recorded in the Division of Vital Records and known live births and deaths of Virginia residents which occurred outside the State. Since resident data reflect local conditions, the majority of the material in the report is presented by place of residence, although a few of the tables are by place of occurrence of the event. The title of each table of data on live births, induced abortions, natural fetal deaths, infant deaths, resident deaths, and marriages specifies whether the tabulation is compiled by place of occurrence or by place of residence. The divorce data are presented by the city or county where the court granted the divorce.

DEFINITIONS:

Residence is the city or county where the deceased resided for a death, where the mother resides for a birth, or where the patient resides for a natural fetal death or induced abortion. Marriages are tabulated according to the city or county of residence for both the bride and the groom.

White and nonwhite breakdowns are given for most data. "White" includes persons reported as Mexican and Puerto Rican and those not specifically designated as nonwhite. "Nonwhite" includes Black, a reported mixture of Black with any other race, and all other nonwhite races and mixtures. For marriage and divorce figures, white and nonwhite refer to the race of the husband. For birth and fetal death data, white and nonwhite refer to the race of the mother.

A live birth is defined as the complete expulsion or extraction from its mother of a product of human conception, irrespective of the duration of pregnancy, which, after such expulsion or extraction, breathes or shows any other evidence of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles, whether or not the umbilical cord has been cut or the placenta is attached. (Vital Statistics Laws of Virginia, Chapter 7, Section 32.1-249.7)

A low weight birth (formerly called immature birth) is one for which the birth weight is 2,500 grams (5 pounds 8 ounces) or less, regardless of the period of gestation.

An illegitimate event (birth, induced abortion, natural fetal death) is one which occurred to a woman who was not married to the father of the child at the time of the event and had not been married to him at any time during the preceding 10 months.

A fetal death is defined as the death caused by induced abortion or the death prior to the complete expulsion or extraction from the mother of a product of human conception, irrespective of the duration of pregnancy. The death is indicated by the fact that after such expulsion or extraction, the fetus does not breathe or show any other evidence of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. (Vital Statistics Laws of Virginia, Chapter 7, Section 32.1-249.2)

Induced abortion is a fetal death where the pregnancy has been deliberately terminated with the purpose of producing a nonviable fetus. Molar and ectopic pregnancies are excluded.

A natural fetal death is a fetal death that is not an induced abortion.

Infant deaths are deaths of children under one year of age. Neonatal deaths are deaths of children under 28 days of age. Hebdomadal deaths are deaths under one week of age.

The underlying cause of death, by which all deaths are classified, may be defined as (a) the disease or injury which initiated the train of morbid events leading directly to death, or (b) the circumstances of the accident or violence which produced the fatal injury. It is the responsibility of the certifying physician or medical examiner to indicate the underlying cause, and it is the responsibility of the nosologists in the Center for Health Statistics to assign the proper code number from the Ninth Revision, International Classification of Diseases, so that deaths may be classified by underlying cause. Because of the classification revision, cause-of-death figures beginning with 1979 data are not entirely comparable with those of earlier years.

In order to compare death rates from certain causes for the years 1979-1990 with the death rates for a year or years during the period 1969-1978, the estimated number of deaths from those causes during the early period must be derived by the use of comparability ratios which were computed by the National Center for Health Statistics from the results of dual coding of certificates according to the old and the new procedures. The comparability ratios are the number of deaths classified to a given cause by the Ninth Revision divided by the number of deaths classified to that cause by the Eighth Revision. Comparability ratios have been published by the National Center for Health Statistics in the Monthly Vital Statistics Report, Vol. 28, No. 11, Supplement, February 29, 1980.

Beginning with data for 1987, the National Center for Health Statistics added classification categories for human immunodeficiency virus (HIV infection) and AIDS. Deaths classified to HIV infection for 1990 are included in "Other infectious & parasitic diseases" in Tables 41, 45 and 46 and are also shown in a separate section of the narrative portion of this report. For 1986 and previous years, deaths involving HIV infection were classified to various categories, so comparable data are not available.

Cremations are increasing in the State. Data as to the number and locations for 1990 are provided at the end of the narrative chapter on resident deaths.

Rates used in this report are defined below:

$$\text{Birth rate} = \frac{\text{Number of live births}}{\text{Estimated total midyear population}} \times 1{,}000$$

$$\text{Death rate} = \frac{\text{Number of deaths}}{\text{Estimated total midyear population}} \times 1{,}000$$

$$\text{Infant mortality rate} = \frac{\text{Number of deaths under one year of age}}{\text{Total number of live births}} \times 1{,}000$$

$$\text{Neonatal mortality rate} = \frac{\text{Number of deaths under 28 days of age}}{\text{Total number of live births}} \times 1{,}000$$

$$\text{Perinatal mortality rate} = \frac{\text{Number of deaths under one week of age + number of fetal deaths 28 weeks \& over gestation}}{\text{Total number of live births + number of fetal deaths 28 weeks and over gestation}} \times 1{,}000$$

$$\text{Maternal mortality rate} = \frac{\text{Number of maternal deaths}}{\text{Total number of live births}} \times 100{,}000$$

Death rates by cause are calculated per 100,000 estimated population.

Resident rates refer to births or deaths of residents of Virginia (or of a planning district, city or county) and are based on estimated total population, or total live births of the area. No city, county, or planning district resident marriage or resident divorce rates are published in this report. The marriage rates and divorce rates for the State given in Table 3 include all marriages performed in Virginia or all divorces granted in Virginia courts and are calculated per 1,000 estimated population.

A "resident" marriage rate has limited meaning because there is at present no interstate exchange of marriage records, hence no way of knowing how many residents of Virginia are married in other states. Furthermore, the bride and the groom may be residents of two different Virginia localities. According to Virginia law, one party of a divorce must be a resident of this State for a year prior to the commencement of the suit. Because 13 independent cities do not have separate courts but share a court with the adjoining county, there are no separate divorce figures for these cities. (See Table 51).

The median is defined as the observation that divides a distribution into two equal parts, with 50 percent of the observations below and 50 percent above it in value.

Total population data by city and county for 1990, as shown in Table 2, are census figures prepared by the United States Bureau of the Census.

INTERPRETATION OF DATA:

Collection. In Virginia, all birth, fetal death, and death certificates are filed in the local health department of the county or independent city where the event occurred by hospitals, physicians, midwives, and funeral directors. Each local health office forwards the records semi-monthly to the Division of Vital Records. Marriage certificates and divorce abstracts are transmitted monthly to the Division by clerks of the various city and county courts.

Interstate exchange of vital records. An interstate exchange of birth and death certificates provides a count of out-of-state events occurring to Virginia residents. These figures are included in the resident data for Virginia cities and counties. Likewise, copies of certificates of events occurring in Virginia to non-residents are sent to the proper states. Since a large number of births to northern Virginia residents occur in District of Columbia hospitals, the number of out-of-state births to Virginia residents greatly exceeds the number of non-resident births occurring in the State. Out-of-state deaths also outnumber non-resident deaths, but by a smaller margin.

LOCATION OF BIRTHS AND DEATHS
VIRGINIA, 1990

Location	Births, 1990			Deaths, 1990		
	Total	White	Nonwh	Total	White	Nonwh
Occurring in Virginia	96,626	69,990	26,636	47,452	36,756	10,696
Residents of Virginia	94,237	68,089	26,148	45,269	34,964	10,305
Residents of other areas	2,389	1,901	488	2,183	1,792	391
Occurring to Virginia residents	98,752	71,776	26,976	47,652	37,076	10,576
In Virginia	94,237	68,089	26,148	45,269	34,964	10,305
Out-of-State	4,515	3,687	828	2,383	2,112	271

Completeness of registration. When the Census of Population was taken for 1950, tests were made to determine the completeness of birth registration in each state. At that time, Virginia's reporting was estimated to be 97.3 percent complete (98.0 percent for white births, 95.1 percent for nonwhite). With the steady increase in the percent of births occurring in hospitals since 1950, especially among the nonwhite, it is assumed that the reporting of births is more nearly complete than before.

The completeness of registration of other vital records has never been studied to any great extent; however, indications are favorable in regard to the reporting of these records. Death registration is considered more complete than birth registration since other legal requirements must be met.

The numbers of Virginia resident fetal deaths and induced abortions are under-reported since there is no formal interstate exchange of these records as there is for births and deaths. However, 1,359 induced abortions involving Virginia women were received from other states and are included in this report.

Late filing of records. All vital records for the report year which are received prior to finalizing the data tapes are included in the annual data. Late registrations not included in annual data are, therefore, small in number.

Tabulation of data by residence and by place of occurrence. Resident data are presented for the State, for planning districts, and for counties and independent cities on all vital events except divorces. Recorded data, which are obtained by classifying the vital records according to the place of occurrence, are shown for births, deaths, marriages, and divorces.

Summary of Vital Events. Data indicate that on an average day in 1990:

271 Virginia residents were born
131 Virginia residents died
195 Marriages occurred in Virginia
75 Divorces occurred in Virginia

SUMMARY OF VITAL EVENTS, VIRGINIA, 1990

Event	Total	White	Nonwh
Resident Events			
Live births	98,752	71,776	26,976
Natural fetal deaths	7,696	5,544	2,152
Induced abortions	32,353	20,456	11,897
Infant deaths	1,005	532	473
Deaths, all causes	47,652	37,076	10,576
Recorded Events			
Marriages	71,043	57,288	13,755
Divorces (including annulments)	27,307	22,849	4,458

POPULATION:

Virginia's total population for 1990 was reported to be 6,187,358 by the United States Census of that year. This was an increase of 164,827, or 2.7 percent, over the 1989 projection of 6,022,531. The data are reported in Tables 1 and 2. Projected figures for population for other years were prepared by the Virginia State Data Center of the Virginia Employment Commission, formerly of the Department of Planning and Budget.

Among planning district areas, Planning District 16 (including Caroline, King George, Spotsylvania and Stafford counties and Fredericksburg city) showed the largest increase in population (43.6 percent) over the 1980 census count. The second most significant increase in population (32.6 percent) occurred in Planning District 8 (including Arlington, Fairfax,

Loudoun, and Prince William counties and the cities of Alexandria, Fairfax, Falls Church, Manassas, and Manassas Park). Seven planning districts (1-3, 12-13, 19, 22) indicated losses in population from 1980 to 1990. The largest percentage losses were in Planning Districts 1 and 2 (8.2 and 11.8). Planning District 8 had the largest population, 1,466,409. Planning District 17 (Lancaster, Northumberland, Richmond, and Westmoreland counties) was the smallest in population with 44,173 residents.

Natural Population Increase. For 1990, there was a natural population increase of 51,000 which was higher than the natural increase of 49,444 for 1989.

The increase of 2.3 percent in 1990 resident births and the 1.2 percent increase in resident deaths combined to increase the birth-to-death ratio from 2.050 in 1989 to 2.072 in 1990. The total live birth rate exceeded the death rate by 8.3 per 1,000 population in 1990.

NUMBER AND RATE OF NATURAL POPULATION INCREASE BY RACE
VIRGINIA, 1990

Race	Births		Deaths		Natural Increase	
	Number	Rate	Number	Rate	Number	Rate
Total	98,752	16.0	47,652	7.7	51,1000	8.3
White	71,776	15.0	37,076	7.7	34,700	7.2
Nonwhite	26,976	19.3	10,576	7.6	16,400	11.8

Hispanic Origin and Nonwhites. The 1990 United States Census of Population for Virginia shows the following data for the Hispanic and Nonwhite portions of the population. Hispanics and Asian or Pacific Islanders each constituted 2.6 percent of the population, while Native Americans and Blacks constituted 0.2 and 18.8 percent, respectively. Of the 160,288 Hispanics, 33,044 were Mexican, 23,698 Puerto Rican, 6,268 Cuban, and 97,278 Other.

UNITED STATES CENSUS OF POPULATION
BY HISPANIC ORIGIN AND BY RACE
VIRGINIA, 1990

Race	Population			Race Percentages			Hispanic Percentages		
	Total	Non-Hispanic	Hispanic	Total	Non-Hisp	Hisp	Total	Non-Hisp	Hisp
Total	6,187,358	6,027,070	160,288	100.0	97.4	2.6	100.0	100.0	100.0
White	4,791,739	4,701,650	90,089	100.0	98.1	1.9	77.4	78.0	56.2
Black	1,162,994	1,153,133	9,861	100.0	99.2	0.8	18.8	19.1	6.2
Native American*	15,282	14,347	935	100.0	93.9	6.1	0.2	0.2	0.6
Asian / Pacific Area*	159,053	154,183	4,870	100.0	96.9	3.1	2.6	2.6	3.0
Other Race	58,290	3,757	54,533	100.0	6.4	93.6	0.9	0.1	34.0

* Native American includes American Indian, Eskimo, and Aleut. Pacific Area embraces Polynesian (including Hawaiian and Samoan), Micronesian (including Guamanian), and Melanesian.

Data Tables. Data Tables 1-2 present composite information about Virginia vital statistics and the United States Census of population by planning district and city or county of residence for 1990. Data Tables 3-5 give basic data for the State for the 21-year period 1970-1990.

CHAPTER II

RESIDENT PREGNANCIES

A pregnancy must terminate in a live birth or a fetal death. A fetal death may result from either an induced abortion or natural causes. A fetal death from natural causes is referenced as a natural fetal death throughout this report. The discussion of this chapter treats the three types of termination as a group, and presents data for the total of the two types of fetal deaths. Subsequent chapters treat each of the three types of termination separately.

Reporting of live births is almost complete, since the states practice reciprocity in reporting. Such is not completely practiced for induced abortions. Similarly, not all natural fetal deaths are reported by the mother, especially those resulting in the early stages of gestation. The incomplete nature of the data should be kept in mind in an interpretation of the data.

A total of 138,801 pregnancy terminations was reported for Virginia residents in 1990, 1,894 more than in the previous year. This 1.4 percent increase resulted from an increase in live births and a decrease in induced abortions and natural fetal deaths.

RESIDENT PREGNANCY TERMINATIONS BY TYPE
VIRGINIA, 1981-1990

Year	Total Pregnancy Terminations	Live Births	Total Fetal Deaths	Induced Abortions	Natural Fetal Deaths
1981	116,075	79,278	36,797	30,166	6,631
1982	117,565	81,098	36,467	30,012	6,455
1983	116,356	80,779	36,077	29,598	6,479
1984	120,257	82,662	37,595	30,819	6,776
1985	124,073	85,984	38,089	31,094	6,995
1986	126,499	87,125	39,374	31,977	7,397
1987	129,951	90,314	39,637	32,436	7,201
1988	134,349	92,816	41,533	33,637	7,896
1989	136,907	96,538	40,369	32,584	7,785
1990	138,801	98,752	40,049	32,353	7,696

The 40,049 fetal deaths of all types occurring to Virginia residents in 1990 represented a decrease of 320, or 0.8 percent, from the previous year. All fetal deaths reported for white residents decreased 3.2 percent and fetal deaths for nonwhites increased 4.0 percent. Induced abortions accounted for 80.8 percent of all fetal deaths.

For females in the under 15 age group, there were more live births than induced abortions, a reversal from previous years. The largest age-specific rates for births and natural fetal deaths were in the 25-29 year age group. For total pregnancy terminations and for induced abortions the highest rates were in the 20-24 year age group.

PREGNANCY TERMINATIONS, LIVE BIRTHS, ALL FETAL DEATHS, INDUCED ABORTIONS AND NATURAL FETAL DEATHS PER 1,000 FEMALES BY AGE VIRGINIA, 1990

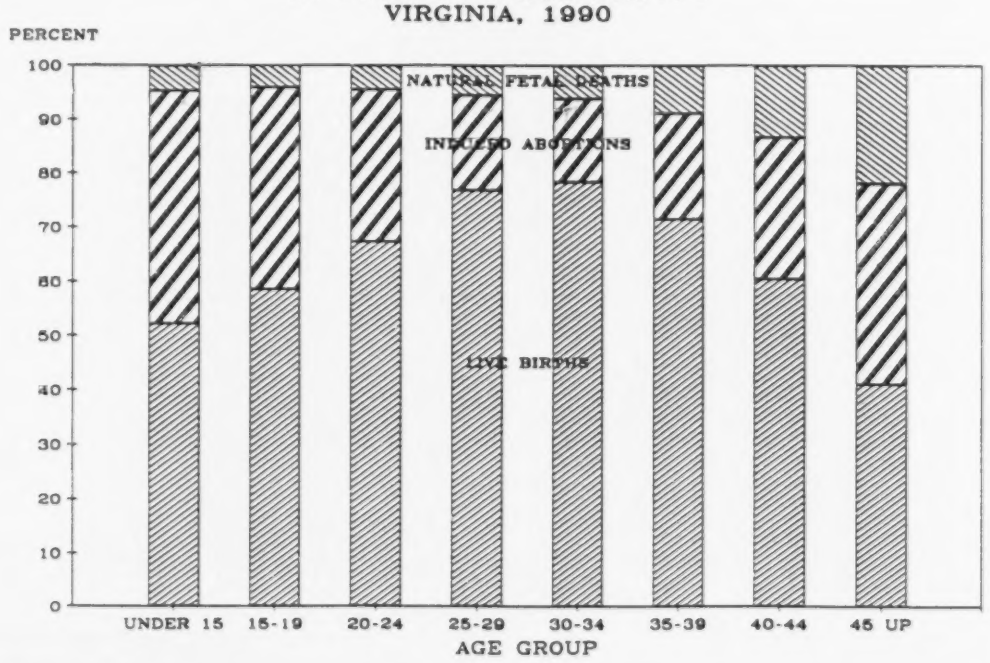
Age	Total Pregnancy Terminations	Live Births	Total Fetal Deaths	Induced Abortions	Natural Fetal Deaths
TOTAL*	90.5	64.4	26.1	21.1	5.0
Under 15#	13.8	7.2	6.6	5.9	0.6
15-19	90.4	52.9	37.4	33.7	3.7
20-24	152.2	102.5	49.7	42.9	6.8
25-29	140.3	107.8	32.5	24.9	7.7
30-34	97.2	76.2	21.0	15.1	5.9
35-39	42.6	30.5	12.1	8.4	3.7
40-44	8.4	5.1	3.3	2.2	1.1
45 & over#	1.9	0.8	1.1	0.7	0.4

*Rates are based on population age group 15-44.
#Rates are based on population ages 14 or 45 only.

Chart A below shows the percents that live births, induced abortions, and natural fetal deaths were of total pregnancies by five-year age groups in 1990.

Chart A

PERCENT TERMINATION TYPE OF TOTAL PREGNANCIES
BY FIVE-YEAR AGE GROUPS
VIRGINIA, 1990



Data Tables. Detailed data on total pregnancies are given in Data Tables 5 and 24 and on teenage pregnancies in Data Table 28.

CHAPTER III

RESIDENT LIVE BIRTHS

Virginia resident live births numbered 98,752 in 1990, representing a 2.3 percent increase over the 96,538 figure for 1989. The birth rate was 16.0 per 1,000 estimated population in 1990, the same as the rate for 1989. The comparable preliminary birth rate for the United States was 16.7 per 1,000 population in 1990.

BIRTHS AND BIRTH RATES WITH PERCENT CHANGE VIRGINIA, 1986-1990

Year	Births	Percent Change	Birth Rate	Percent Change
1986	87,125	1.3	15.0	0.0
1987	90,314	3.7	15.4	2.7
1988	92,816	2.8	15.6	1.3
1989	96,538	4.0	16.0	2.6
1990	98,752	2.3	16.0	0.0

Race and Age of Mother. Of the 98,752 infants born to Virginians in 1990, nearly three-fourths (72.7 percent) were white. However, the nonwhite fertility rate (73.2) was 11.6 per 1,000 females 15-44 higher than the white rate of 61.6. White births increased in 1990 by 1,294, or 1.8 percent, over 1989. Nonwhite births increased by 920, or 3.5 percent.

RESIDENT LIVE BIRTHS BY AGE OF MOTHER BY RACE WITH AGE SPECIFIC RATES PER 1,000 FEMALES, VIRGINIA, 1990

	Number of Births			Rates per 1,000 Females		
Age	Total	White	Nonwhite	Total	White	Nonwhite
Total*	98,752	71,776	26,976	64.4	61.6	73.2
Under 15#	280	77	203	7.2	2.7	18.9
15-19	11,264	6,467	4,797	52.9	41.6	83.7
20-24	25,528	17,227	8,301	102.5	92.6	131.8
25-29	30,668	23,290	7,378	107.8	108.3	106.1
30-34	21,735	17,305	4,430	76.2	80.3	63.6
35-39	8,000	6,406	1,594	30.5	31.8	26.1
40-44	1,217	961	256	5.1	5.0	5.3
45 & over#	30	23	7	0.8	0.8	1.0
Not stated	30	20	10			

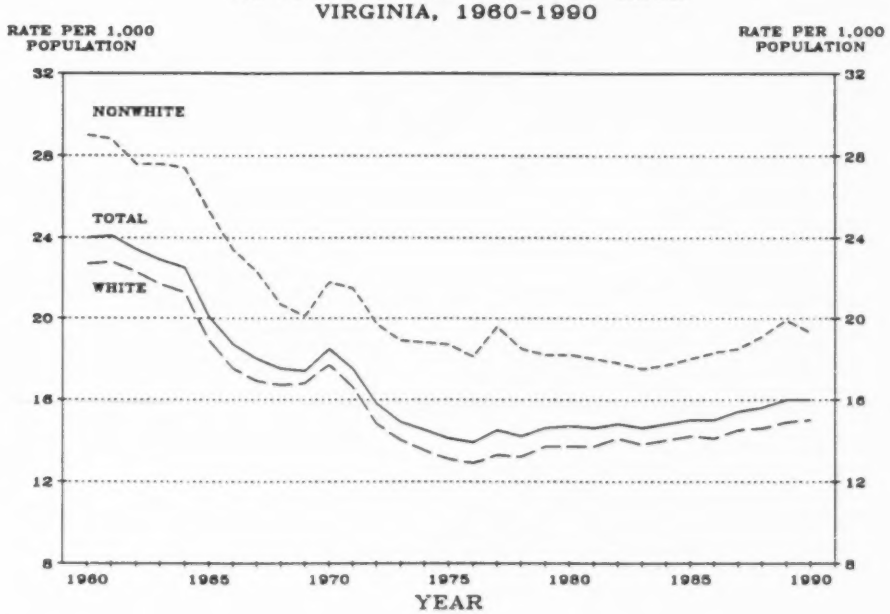
*Rates are based on population age group 15-44.
#Rates are based on population ages 14 and 45 only.

The largest number of births (30,668) occurred in the age group 25-29. It was also the age group with the highest age specific rate (107.8 per 1,000 females). For whites the highest race/age specific rate was 108.3 for ages 25-29, but for nonwhites the highest rate (131.8) occurred for ages 20-24.

Chart B below shows the course of the Virginia birth rate per 1,000 population by race for the period 1960-1990. The downard trend in the rate appears to have been reversed for the white race since 1976 and for the nonwhite race since 1983.

Chart B

RESIDENT BIRTH RATES BY RACE
VIRGINIA, 1960-1990



Median Age and Live Birth Order. The median age for all mothers having live births was 27.0 in 1990, an increase of 1.5 years over the 1981 median age of 25.5. For white and nonwhite mothers, the median age continued to increase in 1990 to 27.6 and 25.1, respectively.

MEDIAN AGE AT BIRTH FOR ALL BIRTHS AND FIRST BIRTHS BY RACE
VIRGINIA, 1981-1990

Year	All Births			First Births		
	Total	White	Nonwhite	Total	White	Nonwhite
1981	25.5	26.1	23.8	23.4	24.0	21.4
1982	25.7	26.2	24.0	23.5	24.1	21.6
1983	25.9	26.5	24.2	23.7	24.3	21.7
1984	26.1	26.7	24.3	23.9	24.6	22.0
1985	26.3	26.8	24.4	24.1	24.7	22.2
1986	26.4	26.9	24.5	24.2	24.8	22.2
1987	26.6	27.2	24.6	24.4	25.1	22.5
1988	26.8	27.4	24.8	24.7	25.4	22.7
1989	26.9	27.5	24.9	24.7	25.5	22.6
1990	27.0	27.6	25.1	25.0	25.7	22.8

For mothers having their first child, the median age has also been steadily increasing from 23.4 in 1981 to 25.0 in 1990. For white mothers having their first child, the median age increased by 1.7 years since 1981 and for nonwhite mothers by 1.4 years. In 1990, the median age for white mothers was higher than that for nonwhite mothers at all birth orders except 8 and 9.

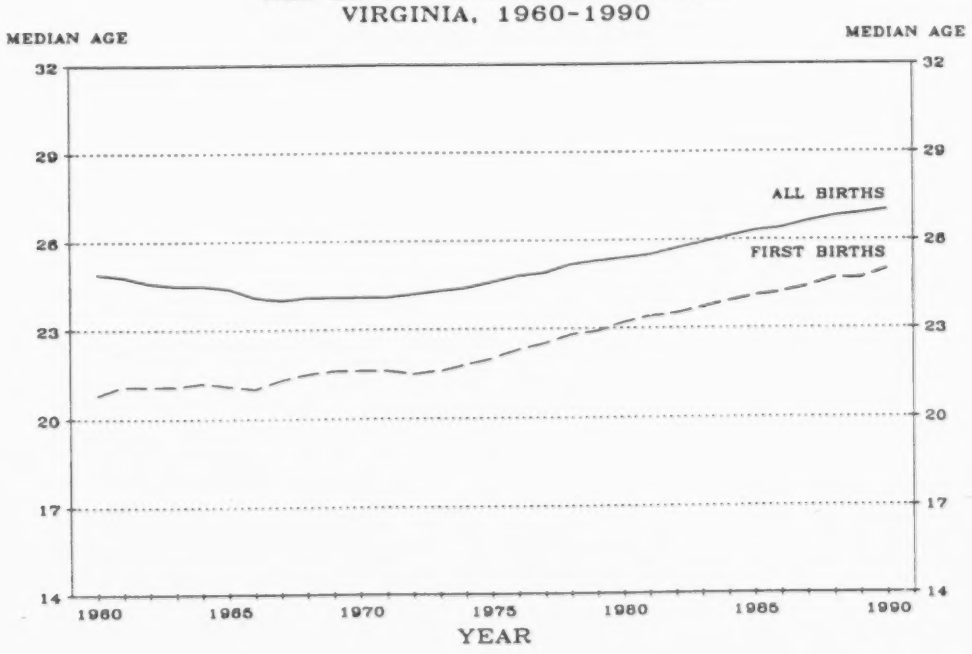
MEDIAN AGE OF MOTHER FOR EACH BIRTH ORDER BY RACE
VIRGINIA, 1990

		Birth Order									
Race	Total	1	2	3	4	5	6	7	8	9	10 +
Total	27.0	25.0	27.8	29.2	30.1	31.5	32.4	34.0	36.0	35.8	36.3
White	27.6	25.7	28.3	30.0	31.3	32.8	34.3	35.9	35.8	35.7	38.0
Nonwhite	25.1	22.8	25.9	27.2	27.9	29.1	29.9	31.7	36.4	35.8	35.3
Years white median age greater than nonwhite	2.5	2.9	2.4	2.9	3.3	3.7	4.3	4.2	-0.6	-0.1	2.7

Chart C below shows the median age of mother at birth for all births and for first births for the period 1960-1990. The trend has been upward for first births since 1966 and upward for all births since 1971.

Chart C

MEDIAN AGE OF MOTHER AT BIRTH
ALL BIRTHS AND FIRST BIRTHS
VIRGINIA, 1960-1990



Education of Mother. A total of 80,262, or 81.3 percent, of the 1990 Virginia mothers were at least high school graduates. Of this number, 22,401 had completed four or more years of college. For 999 (1.0 percent) of the mothers, education did not extend beyond the sixth grade level. For mothers having their first birth, 82.4 percent had completed at least high school and 24.2 percent had completed four years of college.

EDUCATION OF MOTHER WITH PERCENT COMPLETING EACH GRADE LEVEL FOR ALL BIRTHS AND FIRST BIRTHS, VIRGINIA, 1990

Highest Grade Completed	All Births		First Births	
	Number	Percent	Number	Percent
Total	98,752	100.0	43,645	100.0
Elementary				
0-6	999	1.0	348	0.8
7-8	2,276	2.3	971	2.2
High School				
9-11	14,549	14.7	6,087	13.9
12	37,509	38.0	16,360	37.5
College				
1-3	20,352	20.6	9,052	20.7
4+	22,401	22.7	10,559	24.2
Unknown	666	0.7	268	0.6

Illegitimate Births. There was an increase of 1,423, or 5.8 percent, in the number of illegitimate births in 1990. This resulted in an illegitimate birth rate of 261.4 per 1,000 live births. Both the illegitimate birth number and illegitimate birth rate for 1990 were the highest on record. The number of illegitimate births increased by 8.3 percent for whites, and by 4.1 percent for nonwhites. However, the nonwhite rate of 552.8 illegitimate births per 1,000 live births was considerably higher than the comparable white rate of 151.9.

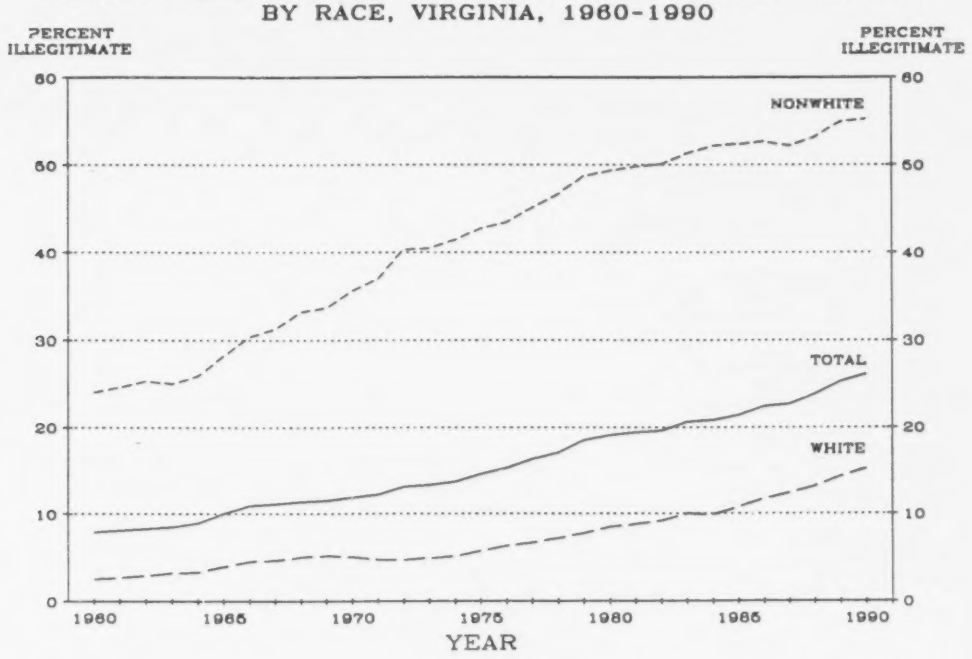
RESIDENT ILLEGITIMATE BIRTHS WITH RATES PER 1,000 LIVE BIRTHS BY YEAR, VIRGINIA, 1981-1990

Year	Total Live Births	Illegitimate Live Births	Rates per 1,000 Live Births
1981	79,278	15,353	193.7
1982	81,098	15,923	196.3
1983	80,779	16,627	205.8
1984	82,662	17,197	208.0
1985	85,984	18,421	214.2
1986	87,125	19,493	223.7
1987	90,314	20,515	227.2
1988	92,816	22,072	237.8
1989	96,538	24,390	252.6
1990	98,752	25,813	261.4

Chart D below depicts the trends in the percent of total births illegitimate for the period 1960-1990. The trend is upward for both the white and the nonwhite races, with the level for the nonwhite higher than the level for the white.

Chart D

PERCENT ILLEGITIMATE BIRTHS OF TOTAL RESIDENT BIRTHS
BY RACE, VIRGINIA, 1960-1990



Sex Ratios. As usual, the male births (50,496) outnumbered the female births (48,256). The resulting ratio was 104.6 males to every 100 females.

The frequency of males to females was also greater for infant deaths, for natural fetal deaths where sex was indicated, and for births with congenital malformations. The male-to-female ratio was higher for whites than nonwhites for live births, infant deaths, and congenital malformations, but lower for natural fetal deaths.

RATIO OF MALES PER 100 FEMALES FOR SPECIFIED VITAL EVENTS VIRGINIA, 1990

Vital Event	Total	White	Nonwhite
Live Births	104.6	105.4	102.6
Infant Deaths	132.6	135.4	129.6
Natural Fetal Deaths	160.8	159.4	162.9
Congenital Malformations	133.5	134.8	131.1

Attendant at Birth. The percentage of total births occurring in hospitals in 1990 was 99.5, up from 99.4 for 1989. In 1990, for white births, the percentage in hospitals was 99.4; for nonwhite births, the percentage was 99.6. An additional 166 births were attended by physicians out of the hospital. For white and nonwhite births, the numbers attended by "midwives or others" were 346 and 30, respectively.

Low Weight Births. During 1990, low weight births (weighed 2,500 grams or less at birth regardless of gestation) accounted for 7,241, or 7.3 percent, of total live births. The nonwhites exhibited a much higher percentage of low weight births, with 11.7 percent compared to 5.7 percent low weight births for whites.

PERCENT LOW WEIGHT OF RESIDENT BIRTHS BY RACE
VIRGINIA, 1986-1990

	Low Weight Births			Percent		
Year	Total	White	Nonwhite	Total	White	Nonwhite
1986	6,207	3,659	2,548	7.1	5.7	11.2
1987	6,355	3,713	2,642	7.0	5.6	11.3
1988	6,628	3,760	2,868	7.1	5.5	11.7
1989	6,941	3,866	3,075	7.2	5.5	11.8
1990	7,241	4,076	3,165	7.3	5.7	11.7

NUMBER AND PERCENT OF BIRTHS ACCORDING TO
WEIGHT GROUP BY RACE, VIRGINIA, 1990

	Total		White		Nonwhite	
Birth Weight	Number	Percent	Number	Percent	Number	Percent
Total	98,752	100.0	71,776	100.0	26,976	100.0
Low Weight	7,241	7.3	4,076	5.7	3,165	11.7
< 501 grams	228	0.2	87	0.1	141	0.5
501-1500 grams	1,205	1.2	623	0.9	582	2.2
1501-2500 grams	5,808	5.9	3,366	4.7	2,442	9.1
Full Weight	91,425	92.6	67,639	94.2	23,786	88.2
2501-3500 grams	51,398	52.0	34,895	48.6	16,503	61.2
3501-4500 grams	38,223	38.7	31,157	43.4	7,066	26.2
> 4500 grams	1,804	1.8	1,587	2.2	217	0.8
Unknown	86	0.1	61	0.1	25	0.1

The percentage of total births that were low weight was highest at birth order 5. Birth order 6 had the highest percentage of low weight deliveries for white mothers; for nonwhite mothers, the percentage was the highest for birth order 5. At all birth orders, the relative frequency of low weight births was significantly higher among nonwhite than white mothers.

PERCENT LOW WEIGHT OF TOTAL BIRTHS BY BIRTH ORDER BY RACE, VIRGINIA, 1990

Race	Total	Birth Order 1	2	3	4	5	6	7 +
Total	7.3	7.7	6.3	7.5	9.2	10.8	10.6	9.9
White	5.7	6.3	4.9	5.2	6.0	6.3	6.9	6.5
Nonwhite	11.7	11.7	10.2	12.4	14.7	16.6	15.2	14.7

In 1990, the percentage of low weight live births was highest for mothers under 15 years of age, both white and nonwhite. For all age groups except 45 and over, nonwhite mothers had a higher percentage of low weight births than white mothers.

PERCENT LOW WEIGHT OF TOTAL BIRTHS BY AGE OF MOTHER BY RACE, VIRGINIA, 1990

Race	Total	Age of Mother < 15	15-19	20-24	25-29	30-34	35-39	40-44	45 +
Total	7.3	12.9	10.4	7.8	6.4	6.6	7.0	6.1	0.0
White	5.7	7.8	7.7	6.0	5.0	5.5	5.8	4.6	0.0
Nonwhite	11.7	14.8	14.1	11.6	10.8	10.9	11.7	11.7	0.0

Plural Births. There were 2,248 plural live births to Virginia residents in 1990: 2,190 twins, 54 triplets, and 4 quadruplets. Additionally, 105 twins were reported as natural fetal deaths.

Among live births, a much higher percentage (52.7) low weight existed for plural births than for single births (6.3). For nonwhite plural births, the percent low weight was 62.8, and for white plural births it was 48.7.

PLURAL BIRTHS AND LOW WEIGHT PLURAL BIRTHS WITH PERCENT LOW WEIGHT BY RACE, VIRGINIA, 1990

Event	Total	White	Nonwhite
Plural births	2,248	1,617	631
Plural low weight births	1,184	788	396
Percent low weight	52.7	48.7	62.8

For every 1,000 live births among nonwhite women, there were 23.4 plural births, while for every 1,000 live births among white women, there were 22.5 plural births. The comparative rates for 1980 were 25.1 and 23.4, respectively.

Prenatal Care. In 1990, 78,467 mothers, or 79.5 percent, began prenatal care in the first trimester of pregnancy. At least 97.9 percent of the mothers had seen a physician prior to delivery. Only 1,439, or 1.5 percent, of the mothers received no prenatal care. Care status for 610 mothers was unknown.

Of the mothers who had completed at least 12 years of schooling, 84.0 percent began prenatal care in the first trimester of pregnancy. Only 45.7 percent of the 999 mothers with fewer than seven years of education began care as early. The percentage of mothers who completed at least their high school education but who received no prenatal care was 0.9, while the comparable percentage for mothers with fewer than seven years of school was 5.2.

The 30-34 age group had the highest percentage of mothers, 88.7 percent, who received prenatal care in the first trimester of pregnancy. Of the mothers who were under 15 years of age, only 35.7 percent received prenatal care in the first trimester. The percentage of mothers receiving no prenatal care was highest for those under 15.

PERCENTAGE DISTRIBUTION OF RESIDENT BIRTHS BY AGE OF MOTHER BY TRIMESTER PRENATAL CARE BEGAN, VIRGINIA, 1990

Trimester Care Began	Total	< 15	15-19	20-24	Age of Mother 25-29	30-34	35-39	40-44	45 +
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
First trimester	79.5	35.7	58.5	72.1	84.7	88.7	88.0	83.9	80.0
Second trimester	15.4	44.6	31.0	20.6	11.6	8.4	9.1	12.2	16.7
Third trimester	3.1	12.9	6.6	4.5	2.1	1.5	1.6	2.1	3.3
None	1.5	5.4	3.1	2.1	1.0	0.8	0.8	1.3	0.0
Unknown	0.6	1.4	0.8	0.7	0.5	0.5	0.5	0.5	0.0

Of the Virginia women giving birth in 1990, 61.9 percent saw a physician 10 to 14 times during pregnancy. The median number of prenatal visits was 12.2. There were 362 mothers who were seen by a physician 30 or more times.

Events of Labor and Delivery. One or more events of labor and delivery were indicated for 32,550, or 33.0 percent, of mothers having live births. Mothers in the under 15 age group had the lowest percentage of events of labor and delivery, 28.9 percent, while mothers age 45 and over had the highest percentage of events, 43.3 percent.

EVENTS OF LABOR AND DELIVERY BY AGE OF MOTHER VIRGINIA, 1990

Events of Labor and Delivery	Total	< 15	15-19	20-24	Age of Mother 25-29	30-34	35-39	40-44	45 +	Unk
Unduplicated Count of Events	32,550	81	3,519	8,070	10,071	7,447	2,884	458	13	7
Percent of Births	33.0	28.9	31.2	31.6	32.8	34.3	36.1	37.6	43.3	23.3

Of the mothers receiving prenatal care, 32.7 percent had events of labor and delivery and 39.9 percent of those who received no prenatal care had events reported. Mothers with births occurring in birth order one had the highest percentage of births with events of labor and delivery, 39.9 percent. The lowest percentage of births with events of labor and delivery, 22.0 percent, occurred in birth order eight plus.

EVENTS OF LABOR AND DELIVERY BY BIRTH ORDER
VIRGINIA, 1990

Count of Events	Total	Birth Order 1	2	3	4	5	6	7	8+	Unk
Unduplicated Count	32,550	16,959	9,314	4,063	1,389	459	168	70	38	90
Percent of Births	33.7	39.9	28.7	28.4	29.9	32.2	30.5	33.7	22.0	32.5
Duplicated Count	42,287	22,834	11,628	5,033	1,729	598	217	86	44	118
Placenta Previa	603	203	230	111	40	9	5		2	3
Abruptio Placenta	577	227	195	90	31	16	8	3	3	4
Other Excessive Bleeding	478	222	146	68	25	12	2	3		
Breech/Malpresentation	4,471	2,275	1,302	566	216	66	25	7	6	8
Cephalopelvic Disproportion	4,335	3,088	868	263	69	19	7	2		19
Meconium, Moderate/Heavy	11,167	6,045	3,057	1,299	467	174	65	29	15	16
Premature Rupture of Membrane	3,006	1,709	759	353	112	42	17	6		8
Febrile	1,692	1,228	306	110	28	11	2	4		3
Precipitous Labor	4,263	2,146	1,225	562	204	81	21	6	5	13
Prolonged Labor	777	586	105	56	17	5		2	1	5
Cord Prolapse	311	151	88	47	15	7	1	1	1	
Anesthetic Complications	58	29	17	11		1				
Other Complications	10,549	4,925	3,330	1,497	505	155	64	23	11	39

Congenital Anomalies. In 1990, there were 1,462 infants born with one or more congenital anomalies reported, or 1.5 percent of total live births. Congenital anomalies, other than those listed below, were reported for 36.7 and 45.4 percent of whites and nonwhites, respectively. Other Circulatory/Respiratory Anomalies was the most common anomaly reported for whites (9.9 percent), while Polydactyly/Syndactyly/Adactyly was the most common anomaly reported for nonwhites (10.8 percent). Other Circulatory/Respiratory Anomalies was second most important for nonwhites (9.4 percent). Other Musculoskeletal/Integumental Anomalies was in second place for whites (6.4 percent). Other Chromosomal Anomalies were in third place for both races (6.3 and 6.5 percents, respectively). Heart Malformations were 5.5 and 2.2 percent, respectively, for whites and nonwhites.

In 1990, mothers in the 15-19 age group had the highest percentage of births with anomalies reported (1.9 percent).

CONGENITAL ANOMALIES BY AGE OF MOTHER
VIRGINIA, 1990

Congenital Anomalies	Total	Age of Mother < 15	15-19	20-24	25-29	30-34	35-39	40-44	45 +	Unk
Unduplicated Count with Anomalies	1,462	5	214	402	426	300	93	20		
Percent of Births	1.5	1.8	1.9	1.6	1.4	1.4	1.2	1.6		

NUMBER AND PERCENT OF CONGENITAL ANOMALIES BY TYPE BY RACE
VIRGINIA, 1990

Type of Anomaly	Total		White		Nonwhite	
	Number	Percent	Number	Percent	Number	Percent
Unduplicated Count	1,462		979		483	
Duplicated Count	1,708	100.0	1,155	100.0	553	100.0
Anencephalus	7	0.4	6	0.5	1	0.2
Spina Bifida/Meningocele	21	1.2	16	1.4	5	0.9
Microcephalus	8	0.5	7	0.6	1	0.2
Hydrocephalus	25	1.5	21	1.8	4	0.7
Other Central Nervous System Anomalies	19	1.1	13	1.1	6	1.1
Heart Malformations	75	4.4	63	5.5	12	2.2
Other Circulatory/Respiratory Anomalies	166	9.7	114	9.9	52	9.4
Cleft Lip/Palate	73	4.3	65	5.6	8	1.4
Tracheo-Esophageal Fistula/Esophageal Atresia	10	0.6	9	0.8	1	0.2
Rectal Atresia/Stenosis	8	0.5	6	0.5	2	0.4
Other Gastrointestinal Anomalies	27	1.6	16	1.4	11	2.0
Malformed Genitalia	41	2.4	37	3.2	4	0.7
Renal Agenesis	6	0.4	4	0.3	2	0.4
Other Urogenital Anomalies	98	5.7	72	6.2	26	4.7
Clubfoot	56	3.3	41	3.5	15	2.7
Polydactyly/Syndactyly/Adactyly	92	5.4	32	2.8	60	10.8
Diaphragmatic Hernia	9	0.5	6	0.5	3	0.5
Omphalocele/Gastroschisis	19	1.1	13	1.1	6	1.1
Other Musculoskeletal/Integumental Anomalies	104	6.1	74	6.4	30	5.4
Down's Syndrome	60	3.5	43	3.7	17	3.1
Other Chromosomal Anomalies	109	6.4	73	6.3	36	6.5
Other Specified Anomalies	675	39.5	424	36.7	251	45.4

Month of Birth. An average of 271 children were born each day to Virginia residents. The daily averages by month ranged from a high of 288 in September to a low of 252 in December.

DAILY AVERAGE OF BIRTHS BY MONTH
VIRGINIA, 1990

Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
271	259	268	264	271	273	280	277	287	288	265	264	252

Out-of-State Occurrences. In 1990, 4,515, or 4.6 percent, of the infants born to Virginia residents were born out-of-state. Of these births, 2,124, or 47.0 percent, occurred in the District of Columbia. The six areas bordering Virginia (District of Columbia, Maryland, West Virginia, Kentucky, Tennessee, and North Carolina) accounted for 95.5 percent of Virginia's out-of-state births.

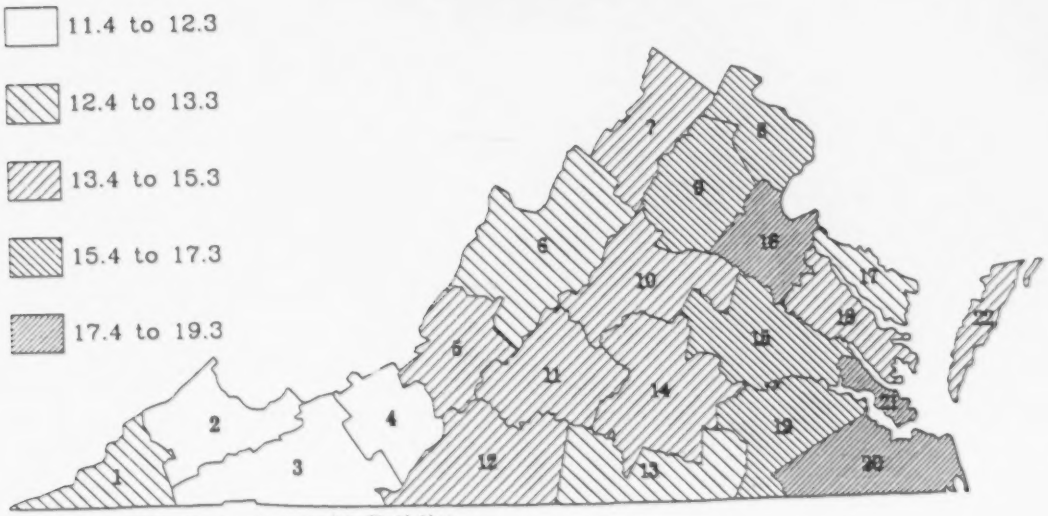
The 2,389 births occurring in Virginia to out-of-state residents represented 2.5 percent of the 96,626 live births occurring in Virginia. The states of residence most frequently recorded for these Virginia-born infants were West Virginia (694), Maryland (630), and North Carolina (612). A total of 92.1 percent of these out-of-state resident births were from the six areas bordering Virginia.

BIRTHS INVOLVING VIRGINIA AND BORDERING STATES
VIRGINIA, 1990

State	Virginia residents born out-of-state		Out-of-state residents born in Virginia	
	Number	Percent	Number	Percent
Total	4,515	100.0	2,389	100.0
District of Columbia	2,124	47.0	139	5.8
Tennessee	791	17.5	38	1.6
Maryland	635	14.1	630	26.4
North Carolina	399	8.8	612	25.6
West Virginia	304	6.7	694	29.0
Kentucky	57	1.3	88	3.7
Other States	205	4.5	174	7.3
Foreign Countries			14	0.6

Data Tables. Data Tables 6-23, 25, and 28 detail live births by planning district and city or county of occurrence and/or residence, by facility of birth, and by age, race, sex, legitimacy, birth order, birth weight, events of labor and delivery, congenital anomalies, plural births, and other characteristics of the mother and the child.

RESIDENT BIRTH RATES PER 1,000 POPULATION
BY PLANNING DISTRICTS
VIRGINIA, 1990



SOURCE: Virginia Center For Health Statistics

CHAPTER IV

INDUCED ABORTIONS AND NATURAL FETAL DEATHS

INDUCED ABORTIONS:

During 1990, at least 32,353 Virginia residents received induced abortions, a decrease of 0.7 percent from the 1989 figure of 32,584. Although there is no regular interstate exchange of abortion information among states, some abortions for residents of Virginia that occurred in other states are included. In addition to the 30,994 Virginia resident induced abortions that occurred in the State, at least 1,359 were reported for Virginia residents in other states.

A total of 32,992 induced abortions occurred in Virginia in 1990, 0.6 percent less than in the previous year. Of these, 1,998, or 6.1 percent, were for residents of other areas.

INDUCED ABORTIONS
VIRGINIA, 1990

Location	Total	White	Nonwhite
Occurring in Virginia	32,992	20,616	12,376
Residents of Virginia	30,994	19,422	11,572
Residents of other areas	1,998	1,194	804
Occurring to Virginia residents	32,353	20,456	11,897
In Virginia	30,994	19,422	11,572
Out-of-State	1,359	1,034	325

Race and Age. Almost two-thirds (63.2 percent) of the 32,353 Virginia residents known to have had induced abortions were white. The induced abortion rate per 1,000 white women aged 15-44 was 17.6, while the comparable figure for nonwhites was 32.3. The State figure for all women was 21.1 per 1,000 females aged 15-44, down from the 21.9 rate for 1989.

RESIDENT INDUCED ABORTIONS BY WOMAN'S AGE BY RACE
WITH AGE SPECIFIC RATES PER 1,000 FEMALES
VIRGINIA, 1990

Age	Numbers			Rates per 1,000 Females		
	Total	White	Nonwhite	Total	White	Nonwhite
TOTAL*	32,353	20,456	11,897	21.1	17.6	32.3
Under 15#	231	91	140	5.9	3.2	13.0
15-19	7,185	4,695	2,490	33.7	30.2	43.5
20-24	10,692	6,757	3,935	42.9	36.3	62.5
25-29	7,078	4,314	2,764	24.9	20.1	39.8
30-34	4,296	2,700	1,596	15.1	12.5	22.9
35-39	2,204	1,419	785	8.4	7.0	12.9
40-44	527	379	148	2.2	2.0	3.1
45 & over#	27	22	5	0.7	0.7	0.7
Not stated	113	79	34			

*Rates based on population group 15-44.
#Rates based on population ages 14 and 45 only.

Age category 20-24 accounted for nearly one-third of Virginia's resident abortions. The age-specific rate for this group was 42.9 per 1,000 women. For 15-19 year olds, the age specific rate of 33.7 for 1990 decreased from the 1989 figure of 35.0. The median ages for total, white, and nonwhite groups were 23.9, 23.9 and 24.0, respectively. The median age for white and nonwhite women having induced abortions has generally gone up over the past ten years.

MEDIAN AGES OF RESIDENT WOMEN RECEIVING INDUCED ABORTIONS BY RACE VIRGINIA, 1981-1990

Year	Total	White	Nonwhite
1981	22.4	22.1	23.1
1982	22.6	22.3	23.3
1983	22.9	22.8	23.3
1984	22.8	22.6	23.3
1985	23.0	22.8	23.3
1986	23.1	23.0	23.4
1987	23.4	23.4	23.5
1988	23.5	23.4	23.7
1989	23.7	23.6	23.9
1990	23.9	23.9	24.0

Illegitimate Induced Abortions. More than four-fifths (81.2 percent) of the women receiving induced abortions in 1990 were not married to the father at the time of the abortion. The comparable figure for 1990 live births was 26.1. The percent illegitimate of induced abortions for 1990 decreased from the 1989 figure of 83.7 percent.

The percentages of induced abortions that were illegitimate were highest for the younger age groups and generally decreased as age at abortion increased. The nonwhite rates, however, were higher than the white rates at all age levels except 45 and over.

RESIDENT ILLEGITIMATE INDUCED ABORTIONS BY WOMAN'S AGE WITH PERCENT ILLEGITIMATE VIRGINIA, 1990

Age	Illegitimate			Percent Illegitimate		
	Total	White	Nonwhite	Total	White	Nonwhite
Total	26,281	16,316	9,965	81.2	79.8	83.8
Under 15	227	89	138	98.3	97.8	98.6
15-19	6,922	4,499	2,423	96.3	95.8	97.3
20-24	9,203	5,766	3,437	86.1	85.3	87.3
25-29	5,291	3,110	2,181	74.8	72.1	78.9
30-34	2,883	1,745	1,138	67.1	64.6	71.3
35-39	1,368	841	527	62.1	59.3	67.1
40-44	276	186	90	52.4	49.1	60.8
45 & over	17	14	3	63.0	63.6	60.0
Not stated	94	66	28			

Gestation and Procedure. Of the 32,129 resident abortions for which the gestation period was known, at least 99.5 percent were under 20 weeks gestation. Nearly one-half (47.0 percent) were 8-9 weeks gestation. Only 0.9 percent of the induced abortions were 20 weeks or more gestation.

For 31,015, or 95.9 percent, of the induced abortions, suction curettage was the procedure used to terminate pregnancy. Sharp curettage was done for 28 terminations. Intrauterine saline instillation and intrauterine prostaglandin instillation were the methods used for 69, or 24.3 percent, of the pregnancy terminations of 20 weeks or more gestation.

RESIDENT INDUCED ABORTIONS
PROCEDURES USED TO TERMINATE PREGNANCY BY GESTATION
VIRGINIA, 1990

Procedure	Total	Gestation (in Weeks)							
		Under 6	6-7	8-9	10-11	12-13	14-19	20 & Over	Unk
Total	32,353	948	7,565	15,085	5,951	1,586	840	284	94
Suction Curettage	31,015	921	7,318	14,542	5,770	1,521	677	191	75
Sharp Curettage	28	1	6	14	2	3	2		
Dilation & Evacuation	200	4	29	40	28	30	53	11	5
Intrauterine saline instillation	41						24	17	
Intrauterine prosta-glandin instillation	96				1		36	52	7
Hysterotomy	2				1		1		
Hysterectomy	6			2			4		
Other	50	2	4	1			32	10	1
Unknown	915	20	208	486	149	32	11	3	6

Place of Residence. The largest number of induced abortions (4,133) was reported for residents of Fairfax County. Following were Virginia Beach with 2,477, Richmond City with 2,188, Norfolk with 1,745, Henrico with 1,738, Prince William with 1,274, Newport News with 1,255, Alexandria with 1,243, Chesterfield with 1,145, Arlington with 1,026, and Hampton with 1,015. All other areas had less than 1,000 residents reporting induced abortions.

Data Tables. Detailed data on induced abortions are in Data Tables 5, 26, 28, and 29-30. Table 28 provides data on teenage pregnancies, including induced abortions.

NATURAL FETAL DEATHS:

Natural fetal deaths, as shown below for the years 1981-1990, are the total fetal deaths for those years less the instances where the pregnancy termination was indicated as induced.

Resident natural fetal deaths totaled 7,696 in 1990, reflecting a 1.1 percent decrease from the previous year. The rate was 77.9 per 1,000 live births.

RESIDENT NATURAL FETAL DEATHS BY RACE
VIRGINIA, 1981-1990

Year	Total	White	Nonwhite
1981	6,631	4,835	1,796
1982	6,455	4,671	1,784
1983	6,479	4,738	1,741
1984	6,776	4,989	1,787
1985	6,995	5,186	1,809
1986	7,397	5,490	1,907
1987	7,201	5,292	1,909
1988	7,896	5,682	2,214
1989	7,785	5,749	2,036
1990	7,696	5,544	2,152

Gestation. Only 10.1 percent of the natural fetal deaths occurred at 20 weeks or more gestation; for nonwhites, the percentage was 14.9, much higher than the comparable percentage of 8.2 for whites.

RESIDENT NATURAL FETAL DEATHS
RACE BY LENGTH OF GESTATION
VIRGINIA, 1990

Length of Gestation	Total		White		Nonwhite	
	Number	Percent	Number	Percent	Number	Percent
Total	7,696	100.0	5,544	100.0	2,152	100.0
Under 20 weeks	6,921	89.9	5,089	91.8	1,832	85.1
20-27 weeks	408	5.3	217	3.9	191	8.9
28 weeks & over	367	4.8	238	4.3	129	6.0

Age. The median age of women having natural fetal deaths was 28.1 in 1990, compared to 27.0 for live births and 23.9 for induced abortions. Natural fetal deaths accounted for 5.5 percent of total pregnancies that ended during 1990. This statistic ranged from 4.1 percent for the 15-19 age group to a high of 21.9 percent for women 45 and over, increasing with each age group.

RESIDENT NATURAL FETAL DEATHS BY AGE
WITH PERCENT OF TOTAL PREGNANCY TERMINATIONS
VIRGINIA, 1990

Natural Fetal Deaths	Total	Age Group								
		< 15	15-19	20-24	25-29	30-34	35-39	40-44	45 Up	Unk
Number	7,696	25	787	1,688	2,181	1,693	981	267	16	58
Percent of Pregnancy Terminations	5.5	4.7	4.1	4.5	5.5	6.1	8.8	13.3	21.9	

Cause. A non-specific reason was mentioned for the cause of the fetal death on 73.5 percent of these records. Of the 2,036 specified causes, ectopic pregnancy with 781 placed first. Blighted ovum (460) and conditions in the placenta (291) ranked second and third, respectively.

Data Tables. Detailed data for natural fetal deaths are in Data Tables 27-28 and 31-33.

CHAPTER V

INFANT DEATHS AND MATERNAL DEATHS

INFANT MORTALITY:

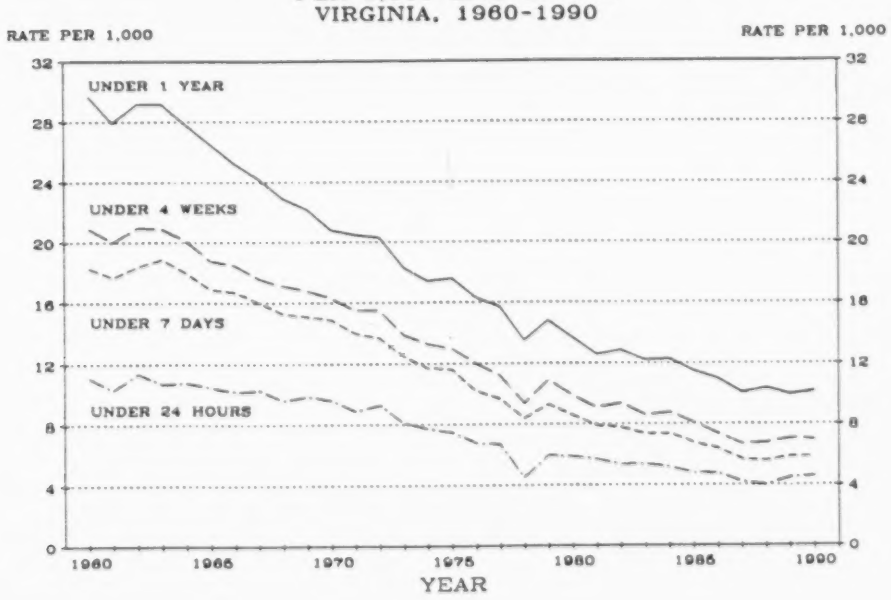
In Virginia in 1990, infant deaths increased to 1,005, or 4.4 percent higher than the 1989 figure of 963. The resulting rate of 10.2 was up from the 1989 rate of 10.0. The 1989 rate was the lowest ever recorded for the State. Virginia's infant mortality rate remained higher than the preliminary United States rate of 9.1.

In 1990, there were 691 neonatal deaths (infants under 28 days) resulting in a rate of 7.0 per 1,000 live births. The comparable figures for 1989 were 681 neonatal deaths with a rate of 7.1.

Chart E below shows the movement of infant mortality rates in the State for the 31-year period 1960-1990. The trend is downward for all four of the time periods used in analyzing infant mortality, but with concern for the movements since 1987.

Chart E

RESIDENT INFANT MORTALITY RATES
PER 1,000 LIVE BIRTHS
VIRGINIA, 1960-1990



Race. White infant deaths increased from 516 in 1989 to 532 in 1990 and nonwhite infant deaths increased from 447 to 473. The 1990 rates of infant deaths per 1,000 live births were 7.4 and 17.5 for whites and nonwhites, respectively.

RESIDENT INFANT DEATHS BY RACE WITH RATES PER 1,000 LIVE BIRTHS VIRGINIA, 1986-1990

	Total		White		Nonwhite	
Year	Number	Rate	Number	Rate	Number	Rate
1986	958	11.0	565	8.8	393	17.3
1987	915	10.1	539	8.1	376	16.0
1988	965	10.4	549	8.0	416	16.9
1989	963	10.0	516	7.3	447	17.2
1990	1,005	10.2	532	7.4	473	17.5

Cause of Death. Among the 1,005 infant deaths for Virginia residents, 179, or 17.8 percent, were attributed to congenital anomalies; 168, or 16.7 percent, to disorders relating to short gestation and low birth weight; 35, or 3.5 percent, to respiratory distress syndrome; and 115, or 11.4 percent, to sudden infant death syndrome. The remainder of the group of causes, other conditions originating in the perinatal period, accounted for 298 infant deaths.

RESIDENT INFANT DEATHS BY CAUSE WITH RATES PER 100,000 LIVE BIRTHS VIRGINIA AND UNITED STATES, 1990

Cause of Infant Death	Virginia		United States*
	Number	Rate	Rate
Total Infant Deaths	1,005	1,017.7	908.0
Certain gastrointestinal diseases (008-009, 535,555-558)	4	4.1	5.0
Pneumonia and influenza (480-487)	11	11.1	14.1
Congenital anomalies (740-759)	179	181.3	205.2
Disorders relating to short gestation and low birth weight (765)	168	170.1	95.1
Birth trauma (767)	5	5.1	4.1
Intrauterine hypoxia and birth asphyxia (768)	16	16.2	18.8
Respiratory distress syndrome (769)	35	35.4	59.1
Other conditions originating in the perinatal period (760-764,766,770-779)	298	301.8	232.2
Sudden infant death syndrome (7980)	115	116.5	129.0
All other causes	174	176.2	145.4

* Provisional

Age at Death. In 1990, there were 458 infants who failed to survive one day and 584 who died within their first week of life. Infants who died before the age of one month (691) accounted for 68.8 percent of the total infant deaths.

PERCENT OF TOTAL INFANT DEATHS IN EACH AGE GROUP BY RACE
VIRGINIA, 1990

Race	Total Infant Deaths	Age at Death						
		Under 1 day	1-6 days	Under 1 week	7-27 days	Under 28 days	1-5 Mos	6-11 Mos
Total	100.0	45.6	12.5	58.1	10.6	68.8	25.3	6.0
White	100.0	40.2	15.2	55.5	11.1	66.5	27.8	5.6
Nonwhite	100.0	51.6	9.5	61.1	10.1	71.2	22.4	6.3

Data Tables. Detailed data for infant deaths are in Data Tables 34-38.

MATERNAL DEATHS:

In 1990, the deaths of four Virginia women were caused by maternal conditions, giving a rate of 4.1 maternal deaths per 100,000 live births. Both the number and rate of maternal deaths decreased over the 1989 figure of 6 deaths, or 6.2 per 100,000 live births.

MATERNAL DEATHS BY CAUSE AND BY RACE
VIRGINIA, 1990

Cause of Death	Total	White	Nonwhite
Total (630-676)	4	3	1
Antepartum Hemorrhage (641)	1		1
Hypertension Complicating Pregnancy (642)	1	1	
Cardiovascular Diseases in Mother (648.6)	1	1	
Retained Placenta Without Hemorrhage (667)	1	1	

Data Tables. Data for maternal deaths are under ICD codes 630-676. They are found in Data Tables 40-41 and 45-46.

CHAPTER VI

RESIDENT DEATHS AND CREMATIONS

RESIDENT DEATHS:

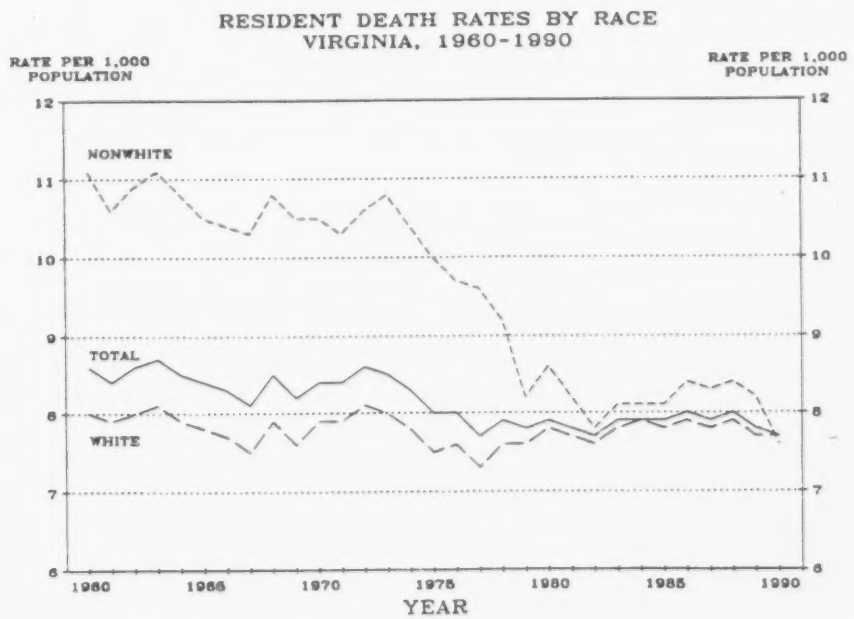
In 1990, the number of deaths for Virginia residents was 47,652, an increase of 558, or 1.2 percent, from the 47,094 deaths reported in 1989. The resulting death rate of 7.7 per 1,000 population has changed little since 1985. The comparable provisional rate for the United States was 8.6 per 1,000 population in 1990.

NUMBER OF RESIDENT DEATHS AND DEATH RATES PER 1,000 POPULATION BY RACE VIRGINIA, 1986-1990

	Total		White		Nonwhite	
Year	Number	Rate	Number	Rate	Number	Rate
1986	46,476	8.0	36,059	7.9	10,417	8.4
1987	46,618	7.9	36,163	7.8	10,455	8.3
1988	47,557	8.0	36,734	7.9	10,823	8.4
1989	47,094	7.8	36,393	7.7	10,701	8.2
1990	47,652	7.7	37,076	7.7	10,576	7.6

Chart F below shows the death rate per 1,000 population in the State by race since 1960. The significant decline in the nonwhite rate and the recent stability of the total rate are striking.

Chart F



Median Age at Death. For all Virginia residents, the median age at death was 73.6, slightly higher than 1989. The white median age at death increased over 1989, from 74.3 to 74.8; the nonwhite median age at death also increased over 1989, from 68.4 to 69.0. The median age for Virginia males increased from 69.7 in 1989 to 70.0 in 1990; for Virginia females it increased from 77.1 to 77.7.

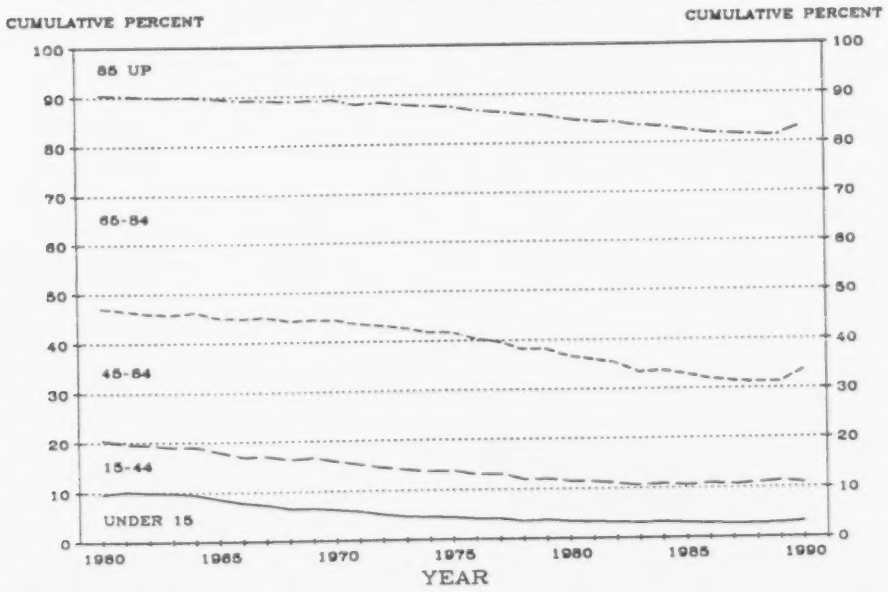
MEDIAN AGE AT DEATH BY RACE BY SEX
VIRGINIA, 1989 AND 1990

	Total		White		Nonwhite	
Sex	1989	1990	1989	1990	1989	1990
Total	73.0	73.6	74.3	74.8	68.4	69.0
Male	69.7	70.0	70.7	71.1	65.7	66.3
Female	77.1	77.7	78.4	78.9	71.8	72.3

Chart G below shows the cumulative percentages of deaths by selected age groups for the period 1960-1990. The percentages of total deaths accounted for by the younger age groups show a distinctly downward trend.

Chart G

PERCENT OF RESIDENT DEATHS BY AGE GROUP
VIRGINIA, 1960-1990



Month of Death. January had the greatest frequency of deaths (4,792), and the largest daily average (155). The lowest number of deaths occurred in June (3,619); July had the lowest daily average (120).

DAILY AVERAGE OF RESIDENT DEATHS BY MONTH VIRGINIA, 1990

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
131	155	142	133	133	122	121	120	121	122	130	132	136

Out-of-State Occurrences. Of the resident total deaths, 5.0 percent occurred outside the State. The District of Columbia and the states that border Virginia accounted for 84.0 percent of these deaths. Of the 2,183 deaths which occurred to out-of-state residents in Virginia, 66.0 percent involved those who were residents of the bordering areas.

DEATHS INVOLVING VIRGINIA AND BORDERING AREAS VIRGINIA, 1990

Area	Virginia Residents Dying Out-of-State		Out-of-State Residents Dying in Virginia	
	Number	Percent	Number	Percent
Total	2,383	100.0	2,183	100.0
Tennessee	757	31.8	77	3.5
District of Columbia	473	19.8	86	3.9
North Carolina	418	17.5	532	24.4
West Virginia	322	13.5	475	21.8
Kentucky	29	1.2	46	2.1
Maryland	2	0.1	224	10.3
Other	382	16.0	743	34.0

Leading Causes of Death. During the past 40 years, the four leading causes of death have been diseases of heart, malignant neoplasms, cerebrovascular disease, and accidents, ranking first to fourth, respectively, each year. These four causes together accounted for more than seven out of every ten Virginia resident deaths from 1966 to 1986, dropping to 69.8 percent in 1987, to 69.3 percent in 1988, to 69.0 percent in 1989, and to 68.2 in 1990.

NUMBER AND RATE PER 100,000 POPULATION FOR THE MAJOR CAUSES OF DEATH FOR SELECTED YEARS, VIRGINIA, 1950-1990

Year	Diseases of Heart		Malignant Neoplasms		Cerebrovascular Diseases		All Accidents	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1950	9,941	299.5	3,389	102.1	3,653	110.1	2,058	62.0
1955	10,825	295.8	4,058	110.9	3,881	106.1	2,005	54.8
1960	12,512	314.1	4,730	118.8	4,153	104.3	2,000	50.2
1965	13,698	309.5	5,534	125.0	4,256	96.2	2,442	55.2
1970	14,494	310.7	6,383	136.8	4,175	89.5	2,588	55.5
1975	14,587	293.7	7,463	150.3	3,932	79.2	2,508	50.5
1980	15,733	294.3	9,139	170.9	3,750	70.1	2,450	45.8
1985	16,036	280.1	10,455	182.6	3,510	61.3	2,176	38.0
1986	15,981	275.5	10,825	186.6	3,552	61.2	2,273	39.2
1987	15,988	272.2	10,789	183.7	3,438	58.5	2,302	39.2
1988	16,143	271.4	11,088	186.4	3,516	59.1	2,212	37.2
1989	15,756	261.6	11,252	186.8	3,309	54.9	2,196	36.5
1990	15,311	247.5	11,528	186.3	3,497	56.5	2,140	34.6

Deaths from malignant neoplasms have generally been increasing in number as well as in rate, with some decline in both in 1987 but increases since then. The respiratory system with 3,418 and the digestive organs and peritoneum with 2,541 were the sites most often reported as primary. These sites accounted for more than one-half of all resident deaths attributed to malignant neoplasms.

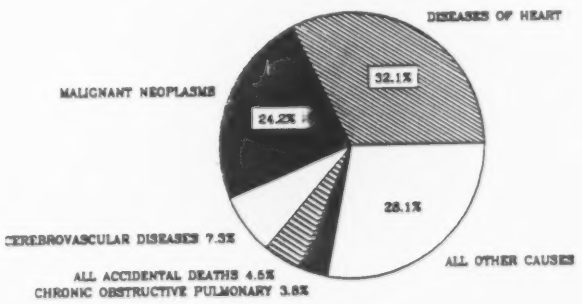
LEADING CAUSES OF RESIDENT DEATHS BY RACE AND SEX
VIRGINIA, 1990

Cause	Total		White				Nonwhite			
			Male		Female		Male		Female	
	Number	Rank	Number	Rank	Number	Rank	Number	Rank	Number	Rank
All Causes	47,652		18,955		18,120		5,858		4,718	
Diseases of Heart (390-398,402,404-429)	15,311	1	6,172	1	6,074	1	1,533	1	1,532	1
Malignant Neoplasms (140-208)	11,528	2	4,816	2	4,245	2	1,451	2	1,016	2
Cerebrovascular Diseases (430-438)	3,497	3	1,024	4	1,673	3	373	3	427	3
Accidents, All Types (E800-E949)	2,140	4	1,077	3	569	6	358	4	136	5
Chronic Obstructive Pulmonary Diseases (490-496)	1,798	5	850	5	732	5	158	7	58	11
Pneumonia & Influenza (480-487)	1,712	6	666	6	773	4	151	8	122	7
Diabetes Mellitus (250)	887	7	243	8	337	7	102	9	205	4
Suicide (E950-E959)	793	8	559	7	141	11	78	12	15	18
Septicemia (038)	639	9	196	10	255	8	94	10	94	8
Homicide and Legal Intervention (E960-E978)	577	10	159	12	70	15	268	5	79	10
Other Causes	8,770		3,193		3,251		1,292		1,034	

NOTE: Numbers in parentheses are from ICD, 9th Revision.

Chart H

FIVE LEADING CAUSES OF DEATH
VIRGINIA, 1990



HIV Infection and AIDS. In 1990, the fourth year that separate cause of death codes were used for HIV Infection and AIDS (ICD codes 042-044), a total of 379 deaths for residents of Virginia was reported. Of these deaths, 347 or 91.6 percent were males. Most of the deaths (75.2 percent) were in the 25-44 age group which had a rate per 100,000 population of 13.4. The rate of 46.4 per 100,000 for nonwhite males aged 25-44 was the highest for the age/race/sex specific categories.

RESIDENT DEATHS DUE TO HIV INFECTION AND AIDS (ICD CODES 042-044) BY AGE, RACE, AND SEX, WITH RATES PER 100,000 POPULATION VIRGINIA, 1990

Race/Sex	Total	Age Groups < 5	5-14	15-24	25-44	45-64	65-74	75 Up
Total	379			11	285	77	3	3
White Male	213			6	155	49	3	
White Female	16			1	11	3		1
Nonwhite Male	134			3	106	23		2
Nonwhite Female	16			1	13	2		
Total Rates	6.1	0.0	0.0	1.1	13.4	6.6	0.7	1.1
White Male	9.0	0.0	0.0	1.6	18.6	10.5	2.1	0.0
White Female	0.7	0.0	0.0	0.3	1.3	0.6	0.0	0.7
Nonwhite Male	19.9	0.0	0.0	2.4	46.4	23.5	0.0	12.8
Nonwhite Female	2.2	0.0	0.0	0.8	5.2	1.7	0.0	0.0

Accidental Deaths. Accidents were responsible for the deaths of 2,140 Virginia residents in 1990, a 2.6 percent decline from the 2,196 of 1989. The accidental death rate for 1990 was 34.6 per 100,000 population compared to the provisional United States rate of 37.3.

RESIDENT DEATHS FROM ACCIDENTS AND CAUSES OTHER THAN ACCIDENTS WITH PERCENTAGES OF TOTAL DEATHS IN SPECIFIED AGE GROUPS VIRGINIA, 1990

Age	Accidental Deaths		Non-Accidental Deaths	
	Number	Percent	Number	Percent
Total	2,140	100.0	45,512	100.0
< 1	28	1.3	977	2.1
1-4	59	2.8	79	0.2
5-14	80	3.7	111	0.2
15-24	379	17.7	456	1.0
25-44	638	29.8	2,486	5.5
45-64	349	16.3	8,863	19.5
65-74	213	10.0	10,884	23.9
75 Up	393	18.4	21,643	47.6
Unknown	1	0.0	13	0.0

As in previous years, accidents was the leading cause of death for Virginians in age groups 1-4 years, 5-14 years, 15-24 years and 25-44 years. These age groups accounted for only 3,132, or 6.9 percent, of the 45,512 non-accidental deaths; but, 54.0 percent of all accidental deaths occurred in these age groups. Accidents accounted for 518, or 44.5 percent, of the 1,164 deaths of Virginians aged 1 through 24.

Males accounted for 67.1 percent of the accidental deaths compared to 52.1 percent of all deaths. White males alone were one-half (50.3 percent) of the accidental death victims. For most types of accidents, males had a much higher number of deaths than females.

RESIDENT ACCIDENTAL DEATHS
BY LEADING TYPES OF ACCIDENTS BY SEX
VIRGINIA, 1990

Type of Accident	Total	Male	Female
Total (E800-E949)	2,140	1,435	705
Motor Vehicle (E810-E825)	1,036	714	322
Falls (E880-E888)	250	117	133
Poisoning, All Types (E850-E869)	137	105	32
Suffocation from Inhaled or Ingested Object (E911-E912)	111	53	58
Drowning and Submersion (E910)	106	90	16
Fires (E890-E899)	101	63	38
Surgical and Medical Misadventures and Complications (E870-E879)	74	28	46
Firearms (E922)	33	30	3
Machinery (E919)	31	29	2
Falling or Projected Object or Caught between Objects (E916-E918)	29	24	5
Mechanical Suffocation (E913)	29	19	10
Aircraft (E840-E845)	25	24	1
Excessive Heat, Cold, or Exposure (E900-E904)	24	15	9
Water Transport (E830-E838)	23	22	1
Electric Current (E925)	22	22	
Railway (E800-E807)	15	14	1
All other	94	66	28

NOTE: Numbers in parentheses are from ICD, 9th Revision.

Motor vehicles, the major cause of accidental deaths, accounted for 48.4 percent of the total. Motor vehicle deaths (1,036) increased by 1.8 percent from the 1989 figure of 1,018. Virginia's motor vehicle death rate for 1990 was 16.7 per 100,000 population compared to the United States preliminary rate of 19.1 for the same year. Of the total motor vehicle fatalities, 64.3 percent were aged 15 through 44.

The second major cause of accidental deaths was falls, representing 11.7 percent of the total. Of these deaths due to falls, 77.2 percent occurred to those who were 65 years or older.

Of the total accidental deaths, 386, or 18.0 percent, occurred on the home premises. The two principal causes for home accidents were falls (105 deaths) and fires (98 deaths), accounting for 52.6 percent of all home accidental deaths. There were 16 firearm fatalities in the home representing 48.5 percent of the total accidental deaths by this means.

Persons 65 years and older were victims in 38.6 percent of the home accident fatalities. This age group accounted for 37.8 percent of the accidental fire deaths in the home and 75.2 percent of the accidental fall deaths in the home.

CLASSIFICATION OF RESIDENT ACCIDENTAL DEATHS BY RACE
VIRGINIA, 1990

Classification of Accident	Total	White	Nonwhite
Total Accidental Deaths	2,140	1,646	494
Accidental Deaths Specified as to Type:			
Motor Vehicle (E810-E825)	1,036	810	226
Other Transport (E800-E807,E826-E848)	69	52	17
Home (E850-E949, Home)	379	272	107
Other (E850-E949, Residual)	656	512	144

NOTE: Numbers in parentheses are from ICD, 9th Revision.

Suicide. Suicide, the eighth leading cause of death in 1990, has been among the ten leading causes of death since 1966. There were 793 suicide deaths recorded for Virginia residents in 1990, resulting in a decrease of 2.6 percent over the 814 occurring in 1989. Virginia's rate, 12.8 deaths per 100,000 population, was higher than the United States preliminary rate of 12.3 for 1990.

Suicides were more frequent among whites than nonwhites. While nonwhites comprised 22.6 percent of the population in 1990, only 11.7 percent of the suicidal deaths occurred in that group. Of all suicides, 70.5 percent involved white males; 17.8 percent, white females; 9.8 percent, nonwhite males; and 1.9 percent, nonwhite females.

RESIDENT SUICIDES BY AGE BY RACE AND SEX
WITH RATES PER 100,000 POPULATION
VIRGINIA, 1990

		Age Groups							
Race/Sex	Total	< 15	15-24	25-34	35-44	45-54	55-64	65-74	75 Up
Total#	793	4	108	169	153	118	89	89	62
White Male#	559	2	80	108	100	89	64	66	49
White Female	141	1	12	31	33	20	18	17	9
Nonwhite Male	78	1	15	26	16	6	6	4	4
Nonwhite Female	15		1	4	4	3	1	2	
Total Rates*	16.0	0.3	11.3	14.8	15.4	17.8	17.7	22.2	23.5
White Male	29.5	0.4	21.7	24.5	25.5	32.8	32.4	45.7	67.0
White Female	7.1	0.2	3.5	7.2	8.4	7.4	8.4	9.2	6.1
Nonwhite Male	15.4	0.6	11.8	20.0	16.3	10.5	14.7	13.3	25.6
Nonwhite Female	2.7	0.0	0.8	2.9	3.7	4.6	2.0	4.9	0.0

One White Male of unknown age is included in the totals.
* Rates for totals of Race/Sex groups are based on ages 15 and over.

The largest number (169) of those taking their own lives occurred for the group aged 25-34 years. The greatest age specific rate, however, occurred for persons aged 75 and over. In regard to age-race-sex specific rates, white male rates were highest for all age groups, with the exception of the under 15 group in 1990. The rates for white males were much higher for groups containing ages 65 and over than for the younger groups.

In 1990, suicide was the third leading cause of death for the age group 15-24 (after accidents and homicides) and it was the fourth leading cause for the age group 25-44 (after accidents, cancer, and heart disease).

Firearms and explosives were the implements used in 69.1 percent of the suicides. Of the 548 deaths by this means, 52.7 percent were under age 45. This method was used by 419, or 75.0 percent, of the 559 white males committing suicide and by 52, or 66.7 percent, of the nonwhite males. Poisoning by drugs and medicaments, the second most used method in 1990, was responsible for 82, or 10.3 percent, of the total suicides; 62.2 percent of these were white females.

RESIDENT SUICIDES BY RACE, SEX, AND METHOD
VIRGINIA, 1990

Method	Total	Race/Sex			
		White Male	White Female	Nonwh Male	Nonwh Female
Total (E950-E959)	793	559	141	78	15
Firearms and Explosives (E955)	548	419	72	52	5
Poisoning by Drugs and Medicaments (E950.0-E950.5)	82	27	51		4
Hanging, Strangulation, and Suffocation (E953)	80	59	4	16	1
Poisoning by Domestic and Other Gases (E951-E952)	34	30	3	1	
Submersions (Drownings) (E954)	11	5	2	2	2
Jumping from High Places (E957)	10	8	1	1	
Cutting and Piercing Instruments (E956)	9	4	3	1	1
Poisoning by Other Solid and Liquid Substances (E950.6-E950.9)	4	1	2		1
Other and Unspecified Means (E958-E959)	15	6	3	5	1

NOTE: Numbers in parentheses are from ICD, 9th Revision.

Homicides. Of the 47,652 deaths occurring to Virginia residents in 1990, homicides accounted for 1.2 percent. The 576 total homicides represented an increase of 11.0 percent over the 519 homicidal deaths in 1989. Virginia's death rate resulting from homicides, 9.3 per 100,000 population, has increased since 1987. The United States estimated rate for 1990 was 10.2.

In 1990, 229 of the homicide victims were white and 347 were nonwhite, producing rates of 4.8 and 24.9 per 100,000 population, respectively. Homicide was the fifth ranking cause of death for nonwhite males, the tenth for nonwhite females, the twelfth for white males, and the fifteenth for white females.

Homicide was the second leading cause of death for the 15-24 age group and fifth for the 25-44 age group. The median age at death for homicide victims was 29.7 years. For white males, it was 33.1 years; for white females, 33.3 years; for nonwhite males, 27.2 years; and for nonwhite females, 32.1 years.

Firearms and explosives were the implements used in 381, or 66.1 percent, of the homicides in 1990. Assault by cutting and piercing instruments, with 85, was the second most frequently used method. Nine deaths were the result of injuries inflicted through legal intervention.

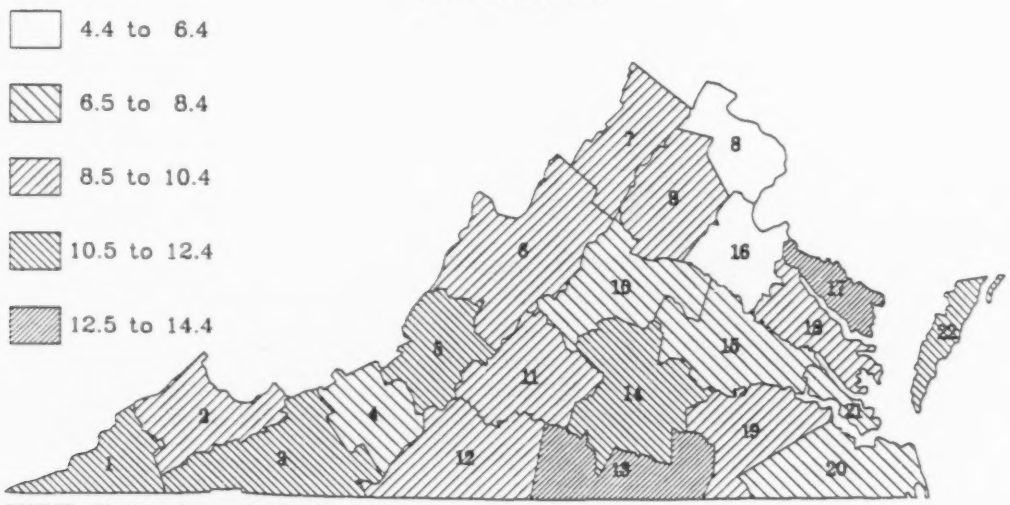
RESIDENT HOMICIDE DEATHS BY RACE BY METHOD
VIRGINIA, 1990

Method	Total	White	Nonwh
Total (E960-E978)	576	229	347
Assault by:			
Firearms and Explosives (E965)	381	141	240
Cutting and Piercing Instruments (E966)	85	35	50
Hanging and Strangulation (E963)	20	8	12
Fight, Brawl, Rape (E960)	4	3	1
Submersion (Drowning) (E964)	3		3
Corrosive or Caustic Substance and Poisoning (E961-E962)	1	1	
Other and Unspecified Means (E968)	66	34	32
Child Battering and Other Maltreatment (E967)	2		2
Injury Due to Legal Intervention (E970-E978)	9	6	3
Late Effects of Injury Purposely Inflicted (E969)	5	1	4

NOTE: Numbers in parentheses are from ICD, 9th Revision.

Data Tables. Detailed data for resident deaths are given in Data Tables 39-46. Table 45 gives deaths by cause of death by race by occurrence in Virginia as well as residence in Virginia. Table 46 gives deaths by cause of death by race for all cities, counties, and planning districts in the State.

RESIDENT DEATH RATES PER 1,000 POPULATION
BY PLANNING DISTRICTS
VIRGINIA, 1990



SOURCE: Virginia Center For Health Statistics

CREMATIONS:

In April, 1980, as required by Virginia Statute, the Department of Health began keeping information on the number of cremations that occur in Virginia. During 1990, a total of 5,259 cremations were reported by crematories registered with the Division of Vital Records, giving a ratio of 11.1 cremations per 100 deaths recorded in Virginia. Fairfax reported the largest number of cremations in 1990, 970. This figure is low, however, since Fairfax cremations for out-of-state deaths are not included. The 1990 cremation figure represents a 7.1 percent increase over the 4,910 figure for 1989.

NUMBER OF CREMATIONS BY MONTH OCCURRING IN CREMATORIES REGISTERED WITH DIVISION OF VITAL RECORDS VIRGINIA, 1990

City or County of Location	Total	Month of Occurrence											
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Total Cremations	5,259	538	423	431	405	441	409	438	432	373	472	424	473
Alexandria	196	19	18	23	12	16	22	11	17	14	15	8	21
Bedford City	200	23	21	17	18	20	11	17	29	14	15	15	
Charlottesville	91	3	5	9	5	7		10	8	9	14	12	9
Fairfax City	139	14	10	7	13	13	7	9	19	6	11	12	18
Fredericksburg	88	11	13	10	9	6	9	4	5	8	6	7	
Hampton	216	20	21	22	15	21	12	16	18	18	11	20	22
Harrisonburg	170	22	12	26	11	10	5	13	11	13	10	16	21
Newport News	170	22	18	12	12	16	16			23	17	20	14
Norfolk	170	47	41	22							14	20	26
Salem	245	16	25	22	19	16	30	27	15	17	19	21	18
Virginia Beach	717	44	32	22	89	76	67	79	89	55	69	46	49
Waynesboro	66					3	2	5	6	10	13	13	14
Winchester	106	9	9	7	11	14	4	8	12	8	12	9	3
Arlington	735	81	53	56	55	58	51	68	61	44	78	60	70
Clarke	52	7	4	4	7	4	5	4	4	4	1	5	3
Fairfax *	970	122	82	89	63	73	84	77	76	64	82	72	86
Goochland	403	48	29	33	38	31	29	34	35	26	40	19	41
Henrico	376	12	22	40	17	48	44	39	18	31	30	37	38
Orange	26	2	2	2	1	1	2	3	1	4	3	3	2
Prince William	86	10	4	3	7	7	7	9	6	4	10	6	13
Tazewell	37	6	2	5	3	1	2	5	2	1	2	3	5

* Does Not Include Cremations Where Deaths Occurred Out-of-State.

CHAPTER VII

MARRIAGES AND DIVORCES

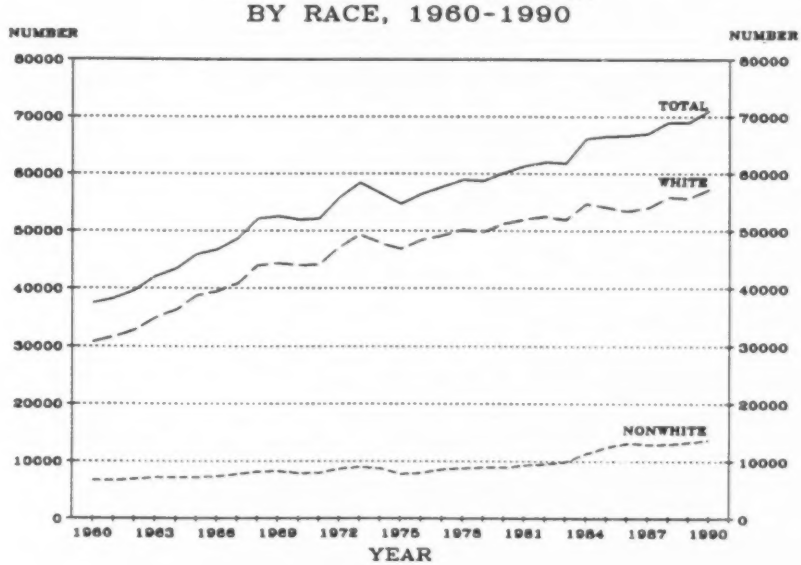
MARRIAGES:

In 1990, 71,043 marriages were performed in Virginia, an increase of 2,042, or 3.0 percent, over the 69,001 marriages recorded in 1989. Virginia's rate of 11.5 per 1,000 population for 1990 was higher than the United States provisional rate of 9.8 per 1,000 population.

Race. Chart I below shows the growth in the number of marriages by race since 1960.

Chart I

MARRIAGES IN VIRGINIA
BY RACE, 1960-1990



MARRIAGES BY RACE AND SEX
VIRGINIA, 1990

Race/Sex	Total	White Females	Black Females	Other Females
Total	71,043	57,497	11,762	1,784
White Males	57,288	56,080	524	684
Black Males	12,376	1,081	11,195	100
Other Males	1,379	336	43	1,000

Place of Residence. For 52,922 marriages (74.5 percent), both the bride and the groom were residents of Virginia. There were 3,516 marriages (4.9 percent) between resident brides and non-resident grooms, and 1,956 (2.8 percent) between non-resident brides and resident grooms.

Marriages in which both bride and groom were non-residents of Virginia numbered 12,648 in 1990, 17.8 percent of the total number of marriages performed. This was an increase of 11.3 percent over the 1989 number of 11,361. States of residence most frequently reported by non-resident brides and grooms from the same state married in Virginia were West Virginia, Pennsylvania, Maryland and North Carolina.

MARRIAGES WHERE AT LEAST ONE PARTY WAS A NON-RESIDENT BY STATE OF RESIDENCE, VIRGINIA, 1990

State of Residence	Both From Same State	Bride's State	Groom's State
West Virginia	2,942	3,219	3,187
Pennsylvania	1,497	1,653	1,738
Maryland	1,326	1,941	2,060
North Carolina	1,258	1,580	1,886
District of Columbia	1,109	1,459	1,451
Ohio	595	719	764
Tennessee	360	520	572
Kentucky	250	302	313
New Jersey	246	333	386
Florida	230	376	497

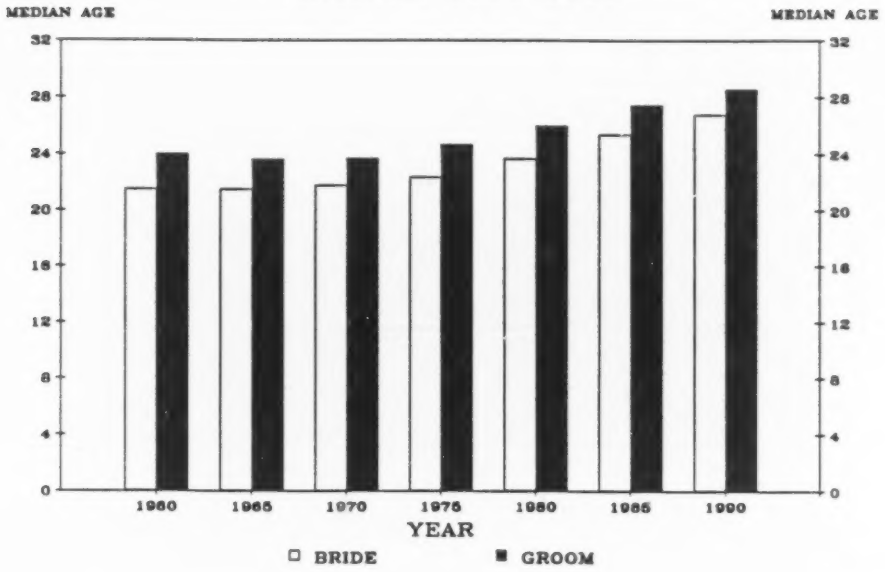
Fairfax county, with 6,320, led the State in the number of marriages performed. Following in descending order were Virginia Beach (4,554), Norfolk city (3,868), Alexandria (3,577), and Arlington county (3,504). These five cities and counties accounted for 30.7 percent of the total marriages in 1990.

Age. In 1990, twenty-five was the age most frequently stated for grooms. The most frequently stated age for brides was twenty-three. Marriages involving brides under twenty-one constituted 17.7 percent of the total marriages, whereas the percent for grooms was 9.3. Couples where both parties were under twenty-one constituted 7.0 percent of the total marriages. Among the brides, 8,742, or 12.3 percent, and among the grooms, 3,572, or 5.0 percent, were teenagers. The median ages for brides and grooms married in 1990 were 26.8 and 28.6 years, respectively. Comparable 1989 median ages were 26.4 and 28.3.

Chart J on the next page shows the median age at marriage for the bride and the groom since 1960.

Chart J

MEDIAN AGE AT MARRIAGE
VIRGINIA, 1960-1990



Marital Status. The 36,395 first marriages for both parties in 1990 accounted for 51.2 percent of the total marriages. The median ages for brides and grooms of these marriages were 23.2 and 24.9, respectively.

Brides who were previously married represented 37.0 percent of the total brides, and previously married grooms represented 36.0 percent of the 1990 grooms. In 1989, the percentages for previously married brides and grooms were 36.7 and 35.6, respectively.

Type of Ceremony. The 42,853 religious ceremonies accounted for 60.3 percent of the total 1990 marriages. The number of civil ceremonies (27,992) increased by 6.7 percent over the 1989 figure of 26,236. Civil ceremonies accounted for 39.4 percent of the marriages in 1990.

MARRIAGE CEREMONIES, NUMBER AND PERCENT
BY TYPE OF CEREMONY, VIRGINIA, 1990

Type of Ceremony	Number	Percent
Total	71,043	100.0
Religious	42,853	60.3
Civil	27,992	39.4
Unknown	198	0.3

Month of Marriage. June, as in previous years, was the most popular month for marriages in 1990. During that month, 8,242 marriages were performed with 68.1 percent of these being religious ceremonies. May with 7,115 and August with 7,053 marriages were the second and third most popular months for marriage in 1990. The fewest marriages occurred in January with 3,446. The daily averages for the months are given in the table below.

DAILY AVERAGE OF MARRIAGES BY MONTH
VIRGINIA, 1990

Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
195	111	160	154	184	230	275	199	228	228	201	173	194

Education. Of the 45,439 grooms marrying for the first time, 83.7 percent had completed at least 12 years of school. Among the 35,303 white grooms married for the first time, 24.8 percent had finished four or more years of college, while 14.9 percent of the 10,136 nonwhite grooms had finished four or more years of college.

Brides marrying for the first time totaled 44,688 with 85.5 percent completing at least four years of high school. White and nonwhite brides completing four or more years of college were 26.9 and 18.4 percent, respectively.

EDUCATION OF GROOMS AND BRIDES MARRYING FOR THE FIRST TIME
PERCENT COMPLETING EACH GRADE LEVEL BY RACE, VIRGINIA, 1990

		Primary		Secondary		College		
Race	Total	0-6	7-8	9-11	12	1-3	4 Up	Unk
Groom								
Total	100.0	1.2	2.0	13.1	42.8	18.3	22.6	0.0
White	100.0	1.3	2.1	13.2	40.9	17.6	24.8	0.0
Nonwhite	100.0	0.6	1.7	12.6	49.6	20.5	14.9	0.1
Bride								
Total	100.0	1.0	1.5	12.0	37.8	22.7	25.0	0.1
White	100.0	1.1	1.6	12.4	36.6	21.4	26.9	0.1
Nonwhite	100.0	0.5	0.9	10.7	42.2	27.3	18.4	0.1

Of the 25,585 grooms previously married, 81.4 percent completed at least 12 years of school, and 20.6 percent finished four years of college. For the 26,315 previously married brides, 82.5 percent completed at least high school and 14.5 percent finished four years of college.

Data Tables. Detailed data for marriages may be found in Data Tables 47-50.

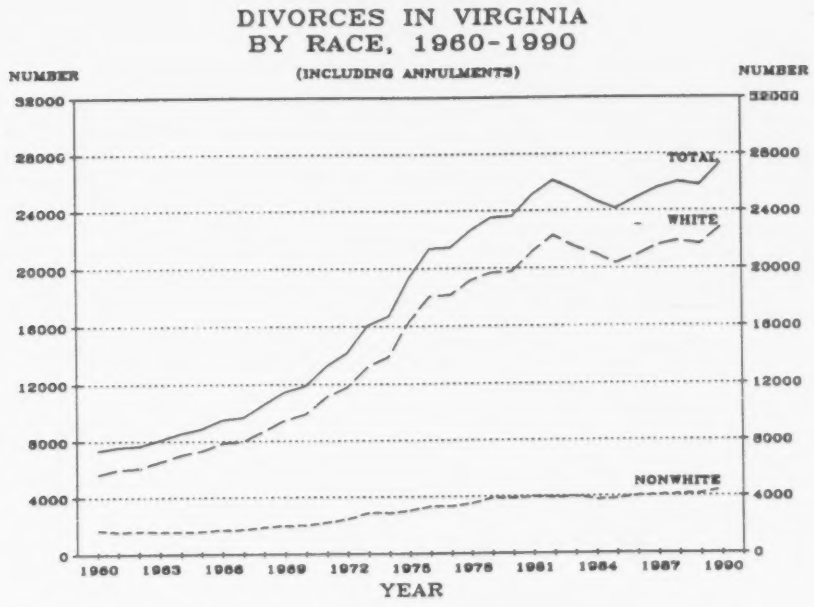
DIVORCES AND ANNULMENTS:

In 1990, 27,307 divorces and annulments were granted in Virginia resulting in a rate of 4.4 per 1,000 population. This was up from the 1989 rate of 4.3. Virginia's rate was still lower than the 1990 provisional rate of 4.7 for the United States.

The 1990 Virginia total represented a 5.8 percent increase over the 25,808 divorces and annulments recorded in 1989. There was an increase between 1988 and 1990 of 5.0 percent.

Race. Chart K below shows the number of divorces and annulments by race since 1960.

Chart K



DIVORCES AND ANNULMENTS BY RACE AND SEX
VIRGINIA, 1990

Race/Sex	Total	White Females	Black Females	Other Females
Total	27,307	22,843	3,942	522
White Males	22,849	22,528	104	217
Black Males	4,050	200	3,820	30
Other Males	408	115	18	275

Place of Marriage. Of the total divorces and annulments, 8,760, or 32.1 percent, were granted to persons who were married outside of Virginia.

Age. In 1990, the median age at divorce for all men was 35.8 years, and 33.5 years for all women. Wives under twenty-one were involved in 1.9 percent of all divorces and annulments occurring in 1990, while only 0.5 percent of divorces involved husbands who were under twenty-one.

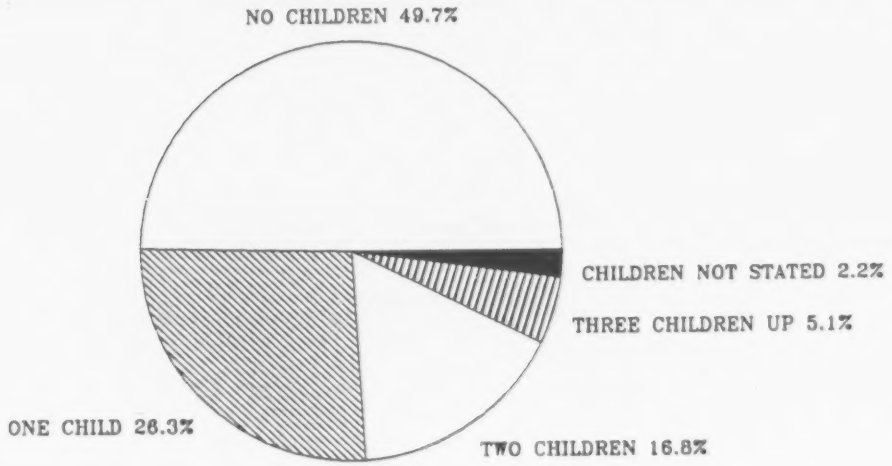
Children Under 18. In 1990, children under 18 were involved in 48.1 percent of the total divorces and annulments. There were approximately 20,844 such children, 1,163 more than in 1989. In 43.0 percent of the divorces the couples had one or two children, while 5.1 percent of the divorces involved couples with three or more children. Of the divorces in which the husband was white, 47.2 percent had one or more children as compared to 52.7 percent for those divorces in which the husband was nonwhite.

DIVORCES AND ANNULMENTS WITH NUMBER OF CHILDREN IN FAMILY BY RACE OF HUSBAND, VIRGINIA, 1990

Children Per Family (18 years and under)	Total		White		Nonwhite	
	Number	Percent	Number	Percent	Number	Percent
Total	27,307	100.0	22,849	100.0	4,458	100.0
None	13,570	49.7	11,555	50.6	2,015	45.2
1 child	7,169	26.3	5,868	25.7	1,301	29.2
2 children	4,577	16.8	3,803	16.6	774	17.4
3 children	1,150	4.2	939	4.1	211	4.7
4 or more children	249	0.9	184	0.8	65	1.5
Children not stated	592	2.2	500	2.2	92	2.1

Chart L

DIVORCES BY NUMBER OF CHILDREN IN FAMILY
VIRGINIA, 1990



Grounds for Divorce. Virginia law allows divorce for only a limited number of reasons. In 1990, a total of 94.4 percent of the divorces were granted on grounds of separation for more than one year and 2.2 percent for desertion. In 55.7 percent of the cases, the divorce was granted to the wife. Annulments totaled 55 in 1990.

NUMBER OF DIVORCES AND ANNULMENTS BY CAUSE WITH PERCENT BY PERSON TO WHOM DIVORCE WAS GRANTED VIRGINIA, 1990

Cause	Total	Person to Whom Granted					
		Husband		Wife		Other/Unknown	
		Number	Percent	Number	Percent	Number	Percent
Total	27,307	10,516	38.5	15,199	55.7	1,592	5.8
Separation	25,785	9,987	38.7	14,377	55.8	1,421	5.5
Desertion	589	220	37.4	337	57.2	32	5.4
Adultery, Sodomy	303	146	48.2	145	47.9	12	4.0
Cruelty	156	23	14.7	113	72.4	20	12.8
Imprisonment	36	5	13.9	26	72.2	5	13.9
Other/Unknown	383	119	31.1	169	44.1	95	24.8
Annulments	55	16	29.1	32	58.2	7	12.7

Marital Status. Couples for which both parties were ending their first marriage accounted for 62.3 percent of the total number of divorces granted. For women getting divorced in 1990, 72.4 were ending their first marriage and 21.0 their second marriage. Comparable percentages for men getting divorced were 73.3 and 20.9.

Duration of Marriage. The median duration of marriage to separation for all divorces was 5.6 years. For divorces in which the husband was white, the median length of time from marriage to separation was 5.8 years, while for divorces in which the husband was nonwhite, the comparable length of time was 4.6 years. For 20.3 percent of the divorces, the couples separated in less than two years, 31.1 percent in 2-5 years, 17.4 percent in 6-9 years, and 29.6 percent in 10 years or more. The duration of marriage to separation was stated as unknown on 413 of the records.

Place of Divorce. The largest number of divorces and annulments were granted in Fairfax county (3,092) which includes Fairfax City and Falls Church. This area was followed by Virginia Beach (2,276), Norfolk (1,095), Prince William county (1,059) which includes Manassas and Manassas Park, and Chesterfield county (1,030).

Month of Divorce. May, with 2,576, was the month with the greatest frequency of divorces. Following in descending order were December (2,539), August (2,469), June (2,413), and October (2,351). The average numbers of divorces per day by month for 1990 are shown in the following table.

DAILY AVERAGE OF DIVORCES AND ANNULMENTS BY MONTH VIRGINIA, 1990

Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
75	60	67	74	75	83	80	74	80	72	76	75	82

Education. Of the 27,307 husbands receiving divorces in 1990, 21,352, or 78.2 percent, had completed at least 12 years of school. Among the 22,849 white husbands, 18,054, or 79.0 percent, had finished 12 years or more of school, while only 3,298, or 74.0 percent, of the 4,458 nonwhite husbands had finished 12 years or more.

EDUCATION OF DIVORCED HUSBANDS AND WIVES
PERCENT COMPLETING EACH GRADE LEVEL BY RACE
VIRGINIA, 1990

Race	Total	Primary		Secondary		College		Unk
		0-6	7-8	9-11	12	1-3	4 Up	
Husband								
Total	100.0	1.9	4.0	13.7	43.2	16.3	18.7	2.3
White	100.0	1.7	4.0	13.2	42.7	16.1	20.2	2.0
Nonwhite	100.0	2.8	3.8	15.9	45.6	17.5	10.8	3.5
Wife								
Total	100.0	0.9	2.7	12.3	44.9	21.1	15.7	2.5
White	100.0	0.8	2.7	12.2	45.0	20.8	16.2	2.3
Nonwhite	100.0	1.3	2.8	12.9	44.4	22.5	12.9	3.2

Among the wives, 81.7 percent had completed 12 or more years of education. White and nonwhite wives completing 12 or more years of education were 82.0 and 79.8 percent, respectively. Education was unknown for 2.3 percent of the husbands and 2.5 percent of the wives.

Data Tables. Detailed data for divorces and annulments are in Data Tables 51-55.

CHAPTER VIII

COMMUNICABLE DISEASE

Previous to 1989, issues of the Virginia Vital Statistics Annual Report included a narrative section on communicable disease and several detailed data tables. Beginning with that year, the narrative was not included in the Report. Data Tables 56-58 in the Report continue to provide data on selected communicable diseases. This issue provides data for the 10-year period 1981-1990 for the State and for 1990 by planning districts and cities and counties.

Beginning with 1989, the Office of Epidemiology in the Virginia Department of Health has provided a Disease Surveillance Annual Report. Interested parties may contact the office for copies of the 1989 and subsequent reports. The address and telephone number are:

Office of Epidemiology
Virginia Department of Health
123 Main Street Station
1500 East Main Street
Richmond, VA 23219

Telephone: (804) 786-6261

Data Tables

Summary
Time Series

Live Births
Induced Abortions
Natural Fetal Deaths

Infant Deaths
Total Deaths

Marriages
Divorces

Communicable Disease

TABLE 1
VITAL EVENTS, CENSUS OF POPULATION, AND BIRTH AND DEATH RATES PER 1,000
BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE
VIRGINIA, 1990

PLANNING DISTRICT AND CITY / COUNTY	RESIDENT LIVE BIRTHS	ALL FETAL DEATHS		RESIDENT DEATHS		MARRIAGES & DIVORCES BY PLACE OF EVENT		RATES PER 1,000			CENSUS OF TOTAL POPULATION
		Induced Abortions	Natural Fetal	Infant Deaths	Total Deaths	Marriages	Divorces	Live Births	Infant Deaths	Total Deaths	
STATE OF VIRGINIA	98,752	32,353	7,696	1,005	47,652	71,043	27,307	16.0	10.2	7.7	6,187,358
DISTRICT 1	1,204	129	29	10	961	1,359	485	13.2	8.3	10.5	91,520
LEE	292	15	7	2	265	283	119	11.9	6.8	10.8	24,496
SCOTT	250	25	1	1	253	395	117	10.8	4.0	10.9	23,204
WISE	585	78	21	7	390	605	249	14.8	12.0	9.9	39,573
NORTON	77	11			53	76		18.1	0.0	12.5	4,247
DISTRICT 2	1,419	140	107	8	1,201	2,022	506	11.5	5.6	9.7	123,580
BUCHANAN	367	36	35	4	274	580	116	11.7	10.9	8.7	31,333
DICKENSON	185	10	11	1	179	375	86	10.5	5.4	10.2	17,620
RUSSELL	317	30	18	2	279	325	116	11.1	6.3	9.7	28,667
TAZEWELL	550	64	43	1	469	742	188	12.0	1.8	10.2	45,960
DISTRICT 3	2,069	349	170	15	1,923	2,457	855	11.6	7.2	10.8	178,205
BLAND	59	9	2		72	123	17	9.1	0.0	11.1	6,514
CARROLL	313	41	26	1	242	374	158	11.8	3.2	9.1	26,594
GRAYSON	172	24	18	3	190	239	90	10.6	17.4	11.7	16,278
SMYTH	416	64	14	4	360	391	170	12.9	9.6	11.1	32,370
WASHINGTON	527	80	39	3	424	540	229	11.5	5.7	9.2	45,887
WYTHE	278	65	53		278	376	116	10.9	0.0	10.9	25,466
BRISTOL	213	48	5	3	241	349	75	11.6	14.1	13.1	18,426
GALAX	91	18	13	1	116	65	*	13.6	11.0	17.4	6,670
DISTRICT 4	1,786	688	208	17	1,194	2,874	649	11.7	9.5	7.8	152,720
FLOYD	132	24	10	1	120	110	47	11.0	7.6	10.0	12,005
GILES	193	26	18	2	199	1,668	74	11.8	10.4	12.2	16,366
MONTGOMERY	894	384	106	8	451	599	326	12.1	8.9	6.1	73,913
PULASKI	426	89	46	4	331	361	161	12.3	9.4	9.6	34,496
RADFORD	141	165	28	2	93	136	41	8.8	14.2	5.8	15,940
DISTRICT 5	3,387	1,179	417	37	2,766	2,991	1,246	13.4	10.9	10.9	253,695
ALLEGHANY	156	29	17	3	130	124	93	11.8	19.2	9.9	13,176
BOTETOURT	258	58	26	2	230	184	101	10.3	7.8	9.2	24,992
CRAIG	62	4	5	1	40	35	17	14.2	16.1	9.1	4,372
ROANOKE	731	296	88	9	612	711	367	9.2	12.3	7.7	79,332
CLIFTON FORGE	41	8	3	1	93	181	19	8.8	24.4	19.9	4,679
COVINGTON	80	10	10		99	328	*	11.4	0.0	14.2	6,991
ROANOKE CITY	1,761	646	232	21	1,275	1,041	538	18.3	11.9	13.2	96,397
SALEM	298	128	36		287	387	111	12.5	0.0	12.1	23,756
DISTRICT 6	2,862	711	202	11	1,926	2,474	1,019	12.7	3.8	8.6	225,025
AUGUSTA	695	227	33	3	413	490	259	12.7	4.3	7.6	54,677
BATH	50	11	10		49	177	26	10.4	0.0	10.2	4,799
HIGHLAND	28	5	2		31	65	6	10.6	0.0	11.8	2,635
ROCKBRIDGE	200	59	11	1	170	135	113	10.9	5.0	9.3	18,350
ROCKINGHAM	777	195	66	3	434	604	348	13.5	3.9	7.6	57,482
BUENA VISTA	86	16	11	1	69	83	40	13.4	11.6	10.8	6,406
HARRISONBURG	363	82	29		230	235	*	11.8	0.0	7.5	30,707
LEXINGTON	70	31	12		67	137	*	10.1	0.0	9.6	6,959
STAUNTON	325	36	24	3	256	333	108	13.3	9.2	10.5	24,461
WAYNESBORO	268	49	4		207	215	119	14.4	0.0	11.2	18,549
DISTRICT 7	2,389	317	263	18	1,487	3,679	759	15.0	7.5	9.3	159,239
CLARKE	161	35	14	2	101	111	46	13.3	12.4	8.3	12,101
FREDERICK	675	62	78	4	293	280	218	14.8	5.9	6.4	45,723
PAGE	247	46	22		217	216	87	11.4	0.0	10.0	21,690
SHENANDOAH	431	38	43	6	347	359	143	13.6	13.9	11.0	31,636
WARREN	432	75	67	4	265	278	134	16.5	9.3	10.1	26,112
WINCHESTER	443	61	39	2	264	2,435	131	20.2	4.5	12.0	21,947
DISTRICT 8	24,322	8,648	1,538	162	6,521	16,803	5,816	16.6	6.7	4.4	1,466,409
ARLINGTON	2,639	1,026	115	16	1,126	3,504	688	15.4	6.1	6.6	170,936
FAIRFAX	12,617	4,133	760	85	3,094	6,320	3,092	15.4	6.7	3.8	818,584
LOUDOUN	1,657	451	77	12	409	916	381	19.2	7.2	4.7	86,129
PRINCE WILLIAM	4,400	1,274	295	27	703	1,548	1,059	20.4	6.1	3.3	215,686
ALEXANDRIA	1,949	1,243	210	15	826	3,577	596	17.5	7.7	7.4	111,183
FAIRFAX CITY	255	235	6	1	147	40	*	13.0	3.9	7.5	19,622
FALLS CHURCH	100	37	7		62	411	*	10.4	0.0	6.5	9,578
MANASSAS	569	229	58	6	135	480	*	20.4	10.5	4.8	27,957
MANASSAS PARK	136	20	10		19	7	*	20.2	0.0	2.8	6,734
DISTRICT 9	1,791	488	150	9	1,020	1,220	499	15.4	5.0	8.8	116,524
CULPEPER	489	133	50	2	273	257	109	17.6	4.1	9.8	27,791
FAUQUIER	757	197	60	6	357	534	249	15.5	7.9	7.3	48,741
MADISON	164	39	5		113	96	43	13.7	0.0	9.5	11,949
ORANGE	307	98	26	1	214	268	76	14.3	3.3	10.0	21,421
RAPPAHANNOCK	74	21	9		63	65	22	11.2	0.0	9.5	6,622
DISTRICT 10	2,384	888	240	25	1,296	1,490	646	14.5	10.5	7.9	164,210
ALBEMARLE	920	333	84	9	384	492	262	13.5	9.8	5.6	68,040
FLUVANNA	227	54	21	2	102	84	37	18.3	8.8	8.2	12,429
GREENE	176	31	16	3	69	83	49	17.1	17.0	6.7	10,297
LOUISA	309	72	31	4	209	188	89	15.2	12.9	10.3	20,325
NELSON	160	58	16	1	136	107	52	12.5	6.3	10.6	12,778
CHARLOTTESVILLE	592	340	72	6	396	536	157	14.7	10.1	9.8	40,341
DISTRICT 11	2,930	931	321	20	2,028	1,821	913	14.2	6.8	9.8	206,226
AMHERST	387	110	33		252	225	124	13.5	0.0	8.8	28,578
APPOMATTOX	156	42	14	2	149	108	44	12.7	12.8	12.1	12,298
BEDFORD	599	132	52	8	383	417	230	13.1	13.4	8.4	45,656
CAMPBELL	654	144	49	5	356	346	256	13.7	7.6	7.5	47,572
BEDFORD CITY	84	29	29	1	123	31		13.8	11.9	20.3	6,073
LYNCHBURG	1,050	374	144	4	765	694	259	15.9	3.8	11.6	66,049

NOTES: Birth And Death Data Are By Place Of Residence. Abortions That Occurred To Virginia Residents In Reporting Other States Are Included. Birth And Total Death Rates Are Calculated Per 1,000 Estimated Population. Infant Death Rates Are Calculated Per 1,000 Live Births.

Marriage And Divorce Data Are By Place Of The Event. The Data Include 14,601 Non-Resident Brides And 16,155 Non-Resident Grooms.
*Divorces For Cities Coded With An Asterisk Are Included In The Court For The Adjoining County.

[continued]

TABLE 1
VITAL EVENTS, CENSUS OF POPULATION, AND BIRTH AND DEATH RATES PER 1,000
BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE
VIRGINIA, 1990

PLANNING DISTRICT AND CITY / COUNTY	RESIDENT LIVE BIRTHS	ALL FETAL DEATHS		RESIDENT DEATHS		MARRIAGES & DIVORCES BY PLACE OF EVENT		RATES PER 1,000			CENSUS OF TOTAL POPULATION
		Induced Abortions	Natural Fetal	Infant Deaths	Total Deaths	Marriages	Divorces	Live Births	Infant Deaths	Total Deaths	
STATE OF VIRGINIA	98,752	32,353	7,696	1,005	47,652	71,043	27,307	16.0	10.2	7.7	6,187,358
DISTRICT 12	3,211	787	325	39	2,480	2,593	1,093	13.4	12.1	10.4	238,837
FRANKLIN	497	93	58	8	360	329	100	12.6	16.1	9.1	39,549
HENRY	811	203	56	6	435	590	306	14.2	7.4	7.6	56,942
PATRICK	189	41	3	2	182	224	83	10.8	10.6	10.4	17,473
PITTSYLVANIA	576	282	64	5	543	466	199	10.3	8.7	9.8	55,655
DANVILLE	923	103	124	15	717	707	343	17.4	16.3	13.5	53,056
MARTINSVILLE	215	65	20	3	243	277	62	13.3	14.0	15.0	16,162
DISTRICT 13	1,062	380	78	15	1,035	836	350	13.1	14.1	12.7	81,258
BRUNSWICK	202	81	16	6	191	145	57	12.6	29.7	11.9	15,987
HALIFAX	363	141	26	4	373	335	161	12.5	11.0	12.8	29,033
MECKLENBURG	379	123	27	4	363	306	132	13.0	10.6	12.4	29,241
SOUTH BOSTON	118	35	9	1	108	50	*	16.9	8.5	15.4	6,997
DISTRICT 14	1,211	352	108	15	951	671	341	14.3	12.4	11.2	84,905
AMELIA	148	28	14	1	84	76	44	16.8	6.8	9.6	8,787
BUCKINGHAM	196	31	13	2	130	123	58	15.2	10.2	10.1	12,873
CHARLOTTE	192	49	12	4	143	117	47	16.4	20.8	12.2	11,688
CUMBERLAND	124	34	7		70	47	34	15.8	0.0	8.9	7,825
LUNENBURG	132	48	23	2	133	61	53	11.6	15.2	11.6	11,419
NOTTOWAY	200	75	16	3	211	132	55	13.3	15.0	14.1	14,993
PRINCE EDWARD	219	87	23	3	180	115	50	12.6	13.7	10.4	17,320
DISTRICT 15	12,105	5,569	1,068	136	6,083	6,620	3,338	16.4	11.2	8.2	739,735
CHARLES CITY COUNTY	80	34	3		49	72	16	12.7	0.0	7.8	6,282
CHESTERFIELD	3,440	1,145	371	23	902	1,390	1,030	16.4	6.7	4.3	209,274
GOOCHLAND	190	48	15		97	131	57	13.4	0.0	6.8	14,163
HANOVER	956	309	76	12	490	550	290	15.1	12.6	7.7	63,306
HENRICO	3,386	1,738	329	36	1,820	1,743	1,015	15.5	10.6	8.4	217,881
NEW KENT	163	46	11	1	97	89	55	15.6	6.1	9.3	10,445
POWHATAN	204	61	15	3	109	129	45	13.3	14.7	7.1	15,328
RICHMOND CITY	3,686	2,188	248	61	2,519	2,516	830	18.2	16.5	12.4	203,056
DISTRICT 16	3,033	873	144	31	1,080	1,553	776	17.8	10.2	6.3	170,410
CAROLINE	321	125	16	4	192	171	82	16.7	12.5	10.0	19,217
KING GEORGE	225	48	8		84	121	55	16.6	0.0	6.2	13,527
SPOTSYLVANIA	892	182	26	8	301	245	258	15.5	9.0	5.2	57,403
STAFFORD	1,006	259	33	13	289	593	273	16.4	12.9	4.7	61,236
FREDERICKSBURG	589	259	61	6	214	423	108	31.0	10.2	11.2	19,027
DISTRICT 17	580	163	21	7	638	402	138	13.1	12.1	14.4	44,173
LANCASTER	143	43	3	4	177	113	32	13.1	28.0	16.2	10,896
NORTHUMBERLAND	112	24	2		163	80	37	10.6	0.0	15.5	10,524
RICHMOND	79	27	8		112	58	24	10.9	0.0	15.4	7,273
WESTMORELAND	246	69	8	3	186	151	45	15.9	12.2	12.0	15,480
DISTRICT 18	1,039	282	82	10	762	587	319	14.2	9.6	10.4	73,023
ESSEX	135	42	8	3	109	64	37	15.5	22.2	12.5	8,689
GLOUCESTER	478	108	38	4	248	225	147	15.9	8.4	8.2	30,131
KING & QUEEN	92	26	6	1	73	64	14	14.6	10.9	11.6	6,289
KING WILLIAM	176	56	15		103	86	43	16.1	0.0	9.4	10,913
MATHEWS	74	23	7		123	68	46	8.9	0.0	14.7	8,348
MIDDLESEX	84	27	8	2	106	80	32	9.7	23.8	12.3	8,653
DISTRICT 19	2,565	952	274	38	1,574	2,009	724	16.4	14.8	10.1	156,457
DINWIDDIE	270	85	31	2	178	111	96	12.9	7.4	8.5	20,960
GREENSVILLE	129	55	4		80	38	43	14.6	0.0	9.0	8,853
PRINCE GEORGE	424	107	28	4	115	256	116	15.5	9.4	4.2	27,394
SURRY	91	21	6	2	51	48	18	14.8	22.0	8.3	6,145
SUSSEX	157	47	21	4	140	103	41	15.3	25.5	13.7	10,248
COLONIAL HEIGHTS	188	101	31		181	250	100	11.7	0.0	11.3	16,064
EMPORIA	116	25	8	5	82	399	*	21.9	43.1	15.5	5,306
HOPEWELL	426	137	37	8	238	279	147	18.4	18.8	10.3	23,101
PETERSBURG	764	374	108	13	509	525	163	19.9	17.0	13.3	38,386
DISTRICT 20	19,560	5,819	1,198	284	7,293	11,555	4,896	19.3	14.5	7.2	1,012,789
ISLE OF WIGHT	373	82	45	5	232	211	99	14.9	13.4	9.3	25,053
SOUTHAMPTON	200	32	9	1	166	168	99	11.4	5.0	9.5	17,550
CHESAPEAKE	2,592	711	186	32	1,072	1,168	689	17.1	12.3	7.1	151,976
FRANKLIN CITY	189	34	6	4	113	48	*	24.0	21.2	14.4	7,864
NORFOLK	5,561	1,745	238	109	2,284	3,868	1,095	21.3	19.6	8.7	261,229
PORTSMOUTH	2,136	542	196	40	1,088	1,098	491	20.6	18.7	10.5	103,907
SUFFOLK	852	196	75	21	544	440	147	16.3	24.6	10.4	52,141
VIRGINIA BEACH	7,657	2,477	433	72	1,794	4,554	2,276	19.5	9.4	4.6	393,069
DISTRICT 21	7,172	2,701	696	93	2,890	4,426	1,819	17.8	13.0	7.2	403,654
JAMES CITY COUNTY	493	158	27	4	203	123	119	14.1	8.1	5.8	34,859
YORK	439	118	34	8	235	329	233	10.3	18.2	5.5	42,422
HAMPTON	2,400	1,015	237	26	983	1,285	550	17.9	10.8	7.3	133,793
NEWPORT NEWS	3,549	1,255	350	54	1,287	1,988	869	20.9	15.2	7.6	170,045
POQUOSON	125	43	14		75	62	*	11.4	0.0	6.8	11,005
WILLIAMSBURG	166	112	34	1	107	639	48	14.4	6.0	9.3	11,530
DISTRICT 22	671	85	56	5	543	438	120	15.0	7.5	12.1	44,764
ACCOMACK	468	54	41	4	345	313	83	14.8	8.5	10.9	31,703
NORTHAMPTON	203	31	15	1	198	125	37	15.5	4.9	15.2	13,061
UNKNOWN		22	1			155					
OUT-OF-STATE						8					

NOTES: Birth And Death Data Are By Place Of Residence. Abortions That Occurred To Virginia Residents In Reporting Other States Are Included. Birth And Total Death Rates Are Calculated Per 1,000 Estimated Population. Infant Death Rates Are Calculated Per 1,000 Live Births.

Marriage And Divorce Data Are By Place Of The Event. The Data Include 14,601 Non-Resident Brides And 16,155 Non-Resident Grooms.
*Divorces For Cities Coded With An Asterisk Are Included In The Court For The Adjoining County.

TABLE 2
CENSUS POPULATION BY RACE
AND BY PLANNING DISTRICT AND CITY OR COUNTY
VIRGINIA, 1990

PLANNING DISTRICT / CITY OR COUNTY	TOTAL	WHITE	NONWHITE
STATE OF VIRGINIA	6,187,358	4,791,739	1,395,619
DISTRICT 1	91,520	89,973	1,547
LEE	24,496	24,346	150
SCOTT	23,204	23,030	174
WISE	39,573	38,674	899
NORTON	4,247	3,923	324
DISTRICT 2	123,580	121,390	2,190
BUCHANAN	31,333	31,107	226
DICKENSON	17,620	17,519	101
RUSSELL	28,667	28,310	357
TAZEWELL	45,960	44,454	1,506
DISTRICT 3	178,205	172,973	5,232
BLAND	6,514	6,257	257
CARROLL	26,594	26,380	214
GRAYSON	16,278	15,729	549
SMYTH	32,370	31,596	774
WASHINGTON	45,887	45,081	806
WYTHE	25,466	24,471	995
BRISTOL	18,426	17,240	1,186
GALAX	6,670	6,219	451
DISTRICT 4	152,720	142,687	10,033
FLOYD	12,005	11,664	341
GILES	16,366	16,044	322
MONTGOMERY	73,913	67,983	5,930
PULASKI	34,496	32,353	2,143
RADFORD	15,940	14,643	1,297
DISTRICT 5	253,695	221,711	31,984
ALLEGHANY	13,176	12,792	384
BOTETOURT	24,992	23,745	1,247
CRAIG	4,372	4,354	18
ROANOKE	79,332	76,520	2,812
CLIFTON FORGE	4,679	3,967	712
COVINGTON	6,991	5,953	1,038
ROANOKE CITY	96,397	71,907	24,490
SALEM	23,756	22,473	1,283
DISTRICT 6	225,025	211,385	13,640
AUGUSTA	54,677	52,434	2,243
BATH	4,799	4,533	266
HIGHLAND	2,635	2,630	5
ROCKBRIDGE	18,350	17,678	672
ROCKINGHAM	57,482	56,160	1,322
BUENA VISTA	6,406	6,093	313
HARRISONBURG	30,707	27,968	2,739
LEXINGTON	6,959	6,027	932
STAUNTON	24,461	21,181	3,280
WAYNESBORO	18,549	16,681	1,868
DISTRICT 7	159,239	151,829	7,410
CLARKE	12,101	10,984	1,117
FREDERICK	45,723	44,536	1,187
PAGE	21,690	21,141	549
SHENANDOAH	31,636	31,069	567
WARREN	26,142	24,646	1,496
WINCHESTER	21,947	19,453	2,494
DISTRICT 8	1,466,409	1,184,501	281,908
ARLINGTON	170,936	130,873	40,063
FAIRFAX	818,584	665,399	153,185
LOUDOUN	86,129	77,095	9,034
PRINCE WILLIAM	215,686	179,709	35,977
ALEXANDRIA	111,183	76,789	34,394
FAIRFAX CITY	19,622	16,830	2,792
FALLS CHURCH	9,578	8,533	1,045
MANASSAS	27,957	23,332	4,625
MANASSAS PARK	6,734	5,941	793
DISTRICT 9	116,524	99,736	16,788
CULPEPER	27,791	22,569	5,222
FAUQUIER	48,741	42,657	6,084
MADISON	11,949	10,182	1,767
ORANGE	21,421	18,233	3,188
RAPPAHANNOCK	6,622	6,095	527
DISTRICT 10	164,210	134,265	29,945
ALBEMARLE	68,040	59,264	8,776
FLUVANNA	12,429	9,522	2,907
GREENE	10,297	9,579	718
LOUISA	20,325	14,970	5,355
NELSON	12,778	10,246	2,532
CHARLOTTESVILLE	40,341	30,684	9,657

PLANNING DISTRICT / CITY OR COUNTY	TOTAL	WHITE	NONWHITE
DISTRICT 11	206,226	166,853	39,373
AMHERST	28,578	22,576	6,002
APPOMATTOX	12,298	9,459	2,839
BEDFORD	45,656	41,856	3,800
CAMPBELL	47,572	40,418	7,154
BEDFORD CITY	6,073	4,691	1,382
LYNCHBURG	66,049	47,853	18,196
DISTRICT 12	238,837	178,750	60,087
FRANKLIN	39,549	35,142	4,407
HENRY	56,942	43,529	13,413
PATRICK	17,473	16,128	1,345
PITTSYLVANIA	55,655	40,570	15,085
DANVILLE	53,056	33,247	19,809
MARTINSVILLE	16,162	10,134	6,028
DISTRICT 13	81,258	46,411	34,847
BRUNSWICK	15,987	6,605	9,382
HALIFAX	29,033	17,504	11,529
MECKLENBURG	29,241	17,926	11,315
SOUTH BOSTON	6,997	4,376	2,621
DISTRICT 14	84,905	52,398	32,507
AMELIA	8,787	5,933	2,854
BUCKINGHAM	12,873	7,564	5,309
CHARLOTTE	11,688	7,392	4,296
CUMBERLAND	7,825	4,765	3,060
LUNENBURG	11,419	7,081	4,338
NOTTOWAY	14,993	8,740	6,253
PRINCE EDWARD	17,320	10,923	6,397
DISTRICT 15	739,735	521,715	218,020
CHARLES CITY COUNTY	6,282	1,800	4,482
CHESTERFIELD	209,274	177,067	32,207
GOOCHLAND	14,163	9,895	4,268
HANOVER	63,306	56,440	6,866
HENRICO	217,881	168,453	49,428
NEW KENT	10,445	8,078	2,367
POWHATAN	15,328	11,954	3,374
RICHMOND CITY	203,056	88,028	115,028
DISTRICT 16	176,410	142,517	27,893
CAROLINE	19,217	11,686	7,531
KING GEORGE	13,527	10,597	2,930
SPOTSYLVANIA	57,403	50,220	7,183
STAFFORD	61,236	55,546	5,690
FREDERICKSBURG	19,027	14,468	4,559
DISTRICT 17	44,173	30,239	13,934
LANCASTER	10,896	7,567	3,329
NORTHUMBERLAND	10,524	7,388	3,136
RICHMOND	7,273	5,027	2,246
WESTMORELAND	15,480	10,257	5,223
DISTRICT 18	73,023	56,344	16,679
ESSEX	8,689	5,329	3,360
GLOUCESTER	30,131	26,448	3,683
KING & QUEEN	6,289	3,573	2,716
KING WILLIAM	10,913	7,351	3,562
MATHEWS	8,348	7,140	1,208
MIDDLESEX	8,653	6,503	2,150
DISTRICT 19	156,457	87,723	68,734
DINWIDDIE	20,960	13,348	7,612
GREENSVILLE	8,853	3,900	4,953
PRINCE GEORGE	27,394	18,268	9,126
SURRY	6,145	2,722	3,423
SUSSEX	10,248	4,253	5,995
COLONIAL HEIGHTS	16,064	15,502	562
EMPORIA	5,306	2,849	2,457
HOPEWELL	23,101	16,687	6,414
PETERSBURG	38,386	10,194	28,192
DISTRICT 20	1,012,789	684,004	328,785
ISLE OF WIGHT	25,053	16,975	8,078
SOUTHAMPTON	17,550	9,634	7,916
CHESAPEAKE	151,976	107,399	44,577
FRANKLIN CITY	7,864	3,637	4,227
NORFOLK	261,229	148,228	113,001
PORTSMOUTH	103,907	53,212	50,695
SUFFOLK	52,141	28,511	23,630
VIRGINIA BEACH	393,069	316,408	76,661
DISTRICT 21	403,654	266,954	136,700
JAMES CITY COUNTY	34,859	27,804	7,055
YORK	42,422	34,487	7,935
HAMPTON	133,793	78,149	55,644
NEWPORT NEWS	170,045	106,418	63,627
POQUOSON	11,005	10,728	277
WILLIAMSBURG	11,530	9,368	2,162
DISTRICT 22	44,764	27,381	17,383
ACCOMACK	31,703	20,499	11,204
NORTHAMPTON	13,061	6,882	6,179

TABLE 3
ESTIMATED RESIDENT POPULATION, RESIDENT BIRTHS AND DEATHS, AND MARRIAGES AND DIVORCES PERFORMED IN THE STATE WITH RATES PER 1,000 POPULATION BY RACE
VIRGINIA, 1970-1990

YEAR	RACE	RESIDENT BIRTHS	RESIDENT DEATHS	MARRIAGES PERFORMED	DIVORCES & ANNULMENTS	RATES PER 1,000 POPULATION				ESTIMATED POPULATION
						BIRTH	DEATH	MARRIAGE	DIVORCE	
1970#	Total	86,081	39,009	51,964	11,879	18.5	8.4	11.1	2.5	4,665,532
	White	66,657	29,618	44,066	9,880	17.7	7.9	11.7	2.6	3,772,853
	Nonwhite	19,424	9,391	7,898	1,999	21.8	10.5	8.8	2.2	892,679
1971	Total	82,713	39,464	52,158	13,261	17.5	8.4	11.1	2.8	4,714,227
	White	63,592	30,282	44,202	11,083	16.6	7.9	11.6	2.9	3,825,758
	Nonwhite	19,121	9,182	7,956	2,178	21.5	10.3	9.0	2.5	888,469
1972	Total	75,068	40,886	55,863	14,155	15.8	8.6	11.7	3.0	4,764,000
	White	57,440	31,392	47,232	11,741	14.8	8.1	12.2	3.0	3,871,370
	Nonwhite	17,628	9,494	8,631	2,414	19.7	10.6	9.7	2.7	892,630
1973	Total	71,665	41,103	58,431	16,078	14.9	8.5	12.1	3.3	4,811,000
	White	54,877	31,536	49,388	13,202	14.0	8.0	12.6	3.4	3,921,430
	Nonwhite	16,788	9,567	9,043	2,876	18.9	10.8	10.2	3.2	889,570
1974	Total	71,066	40,561	56,617	16,704	14.5	8.3	11.5	3.4	4,908,000
	White	54,248	31,298	47,882	13,871	13.5	7.8	11.9	3.5	4,015,380
	Nonwhite	16,818	9,263	8,735	2,833	18.8	10.4	9.8	3.2	892,620
1975	Total	70,032	39,543	54,688	19,361	14.1	8.0	11.0	3.9	4,966,200
	White	53,207	30,522	46,907	16,332	13.1	7.5	11.5	4.0	4,068,490
	Nonwhite	16,825	9,021	7,781	3,029	18.7	10.0	8.7	3.4	897,710
1976*	Total	69,972	40,056	56,469	21,381	13.9	8.0	11.2	4.2	5,032,300
	White	53,012	30,946	48,478	18,077	12.9	7.6	11.8	4.4	4,095,340
	Nonwhite	16,960	9,110	7,991	3,304	18.1	9.7	8.5	3.5	936,360
1977*	Total	74,246	39,744	57,778	21,459	14.5	7.7	11.3	4.2	5,134,500
	White	55,662	30,642	49,175	18,181	13.3	7.3	11.8	4.3	4,184,080
	Nonwhite	18,584	9,102	8,603	3,278	19.6	9.6	9.1	3.4	950,520
1978*	Total	73,349	40,649	58,967	22,654	14.2	7.9	11.5	4.4	5,148,100
	White	54,921	31,497	50,187	19,182	13.2	7.6	12.1	4.6	4,152,430
	Nonwhite	18,428	9,152	8,780	3,472	18.5	9.2	8.8	3.5	995,470
1979	Total	76,899	40,798	58,678	23,555	14.6	7.8	11.2	4.5	5,259,424
	White	56,736	31,749	49,775	19,678	13.7	7.6	12.0	4.7	4,152,277
	Nonwhite	20,163	9,049	8,903	3,877	18.2	8.2	8.0	3.5	1,107,147
1980#	Total	78,423	42,496	60,210	23,615	14.7	7.9	11.3	4.4	5,346,279
	White	58,047	32,865	51,317	19,770	13.7	7.8	12.1	4.7	4,229,734
	Nonwhite	20,376	9,631	8,893	3,845	18.2	8.6	8.0	3.4	1,116,545
1981	Total	79,278	42,199	61,410	25,103	14.6	7.8	11.3	4.6	5,429,700
	White	58,820	32,954	52,061	21,154	13.7	7.7	12.1	4.9	4,295,733
	Nonwhite	20,458	9,245	9,349	3,949	18.0	8.2	8.2	3.5	1,133,967
1982	Total	81,098	41,897	62,099	26,138	14.8	7.7	11.4	4.8	5,461,961
	White	60,469	32,826	52,543	22,278	14.1	7.6	12.2	5.2	4,303,418
	Nonwhite	20,629	9,071	9,556	3,860	17.8	7.8	8.2	3.3	1,158,543
1983	Total	80,779	43,734	61,858	25,482	14.6	7.9	11.2	4.6	5,527,218
	White	60,086	34,112	51,984	21,503	13.8	7.8	12.0	4.9	4,346,502
	Nonwhite	20,693	9,622	9,874	3,979	17.5	8.1	8.4	3.4	1,180,716
1984	Total	82,662	44,252	66,143	24,705	14.8	7.9	11.8	4.4	5,598,403
	White	61,391	34,507	54,804	20,977	14.0	7.9	12.5	4.8	4,393,849
	Nonwhite	21,271	9,745	11,339	3,728	17.7	8.1	9.4	3.1	1,204,554
1985	Total	85,984	45,236	66,541	24,131	15.0	7.9	11.6	4.2	5,725,957
	White	63,999	35,331	54,097	20,340	14.2	7.8	12.0	4.5	4,502,420
	Nonwhite	21,985	9,905	12,444	3,791	18.0	8.1	10.2	3.1	1,223,537
1986	Total	87,125	46,476	66,666	24,875	15.0	8.0	11.5	4.3	5,800,148
	White	64,400	36,059	53,494	20,887	14.1	7.9	11.7	4.6	4,555,791
	Nonwhite	22,725	10,417	13,172	3,988	18.3	8.4	10.6	3.2	1,244,357
1987	Total	90,314	46,618	67,004	25,608	15.4	7.9	11.4	4.4	5,874,303
	White	66,885	36,163	54,058	21,573	14.5	7.8	11.7	4.7	4,609,147
	Nonwhite	23,429	10,455	12,946	4,035	18.5	8.3	10.2	3.2	1,265,156
1988	Total	92,816	47,557	68,947	26,013	15.6	8.0	11.6	4.4	5,948,376
	White	68,222	36,734	55,940	21,899	14.6	7.9	12.0	4.7	4,662,514
	Nonwhite	24,594	10,823	13,007	4,114	19.1	8.4	10.1	3.2	1,285,862
1989	Total	96,538	47,094	69,001	25,808	16.0	7.8	11.5	4.3	6,022,531
	White	70,482	36,393	55,647	21,644	14.9	7.7	11.8	4.6	4,715,870
	Nonwhite	26,056	10,701	13,354	4,164	19.9	8.2	10.2	3.2	1,306,661
1990#	Total	98,752	47,652	71,043	27,307	16.0	7.7	11.5	4.4	6,187,358
	White	71,776	37,076	57,288	22,849	15.0	7.7	12.0	4.8	4,791,739
	Nonwhite	26,976	10,576	13,755	4,458	19.3	7.6	9.9	3.2	1,395,619

Population Data for 1970, 1980, and 1990 are from the Decennial United States Census of the Population
* The Sum of White and Nonwhite Estimated Population is Not Equal to the Total Due to Rounding for Years 1976-1978

TABLE 4
RESIDENT ILLEGITIMATE AND LOW WEIGHT BIRTHS WITH PERCENT OF TOTAL BIRTHS
AND INFANT DEATHS UNDER 28 DAYS AND UNDER ONE YEAR
WITH RATES PER 1,000 LIVE BIRTHS
BY RACE, VIRGINIA, 1970-1990

YEAR	RACE	ILLEGITIMATE BIRTHS	LOW WEIGHT BIRTHS	INFANT DEATHS UNDER 28 DAYS	INFANT DEATHS UNDER ONE YEAR	PERCENT OF TOTAL BIRTHS ILLEGITIMATE	PERCENT OF TOTAL BIRTHS LOW WEIGHT	DEATH RATE PER 1,000 < 28 DAYS	DEATH RATE PER 1,000 < 1 YEAR	TOTAL LIVE BIRTHS
1970	Total	10,263	7,200	1,400	1,790	11.9	8.4	16.3	20.8	86,081
	White	3,354	4,549	927	1,144	5.0	6.8	13.9	17.2	66,657
	Nonwhite	6,909	2,651	473	646	35.6	13.6	24.4	33.3	19,424
1971	Total	10,071	6,658	1,280	1,697	12.2	8.0	15.5	20.5	82,713
	White	3,004	4,284	861	1,126	4.7	6.7	13.5	17.7	63,592
	Nonwhite	7,067	2,374	419	571	37.0	12.4	21.9	29.9	19,121
1972	Total	9,806	5,956	1,161	1,524	13.1	7.9	15.5	20.3	75,068
	White	2,699	3,710	768	986	4.7	6.5	13.4	17.2	57,440
	Nonwhite	7,107	2,246	393	538	40.3	12.7	22.3	30.5	17,628
1973	Total	9,514	5,478	1,000	1,313	13.3	7.6	14.0	18.3	71,665
	White	2,707	3,471	686	872	4.9	6.3	12.5	15.9	54,877
	Nonwhite	6,807	2,007	314	441	40.5	12.0	18.7	26.3	16,788
1974	Total	9,738	5,394	947	1,236	13.7	7.6	13.3	17.4	71,066
	White	2,782	3,365	612	797	5.1	6.2	11.3	14.7	54,248
	Nonwhite	6,956	2,029	335	439	41.4	12.1	19.9	26.1	16,818
1975	Total	10,220	5,377	931	1,233	14.6	7.7	13.3	17.6	70,032
	White	3,040	3,322	600	802	5.7	6.2	11.3	15.1	53,207
	Nonwhite	7,180	2,055	331	431	42.7	12.2	19.7	25.6	16,825
1976	Total	10,703	5,274	838	1,143	15.3	7.5	12.0	16.3	69,972
	White	3,334	3,207	518	699	6.3	6.0	9.8	13.2	53,012
	Nonwhite	7,369	2,067	320	444	43.4	12.2	18.9	26.2	16,960
1977	Total	12,125	5,451	834	1,167	16.3	7.3	11.2	15.7	74,246
	White	3,742	3,287	511	724	6.7	5.9	9.2	13.0	55,662
	Nonwhite	8,383	2,164	323	443	45.1	11.6	17.4	23.8	18,584
1978	Total	12,546	5,399	693	989	17.1	7.4	9.4	13.5	73,349
	White	3,953	3,247	423	611	7.2	5.9	7.7	11.1	54,921
	Nonwhite	8,593	2,152	270	378	46.6	11.7	14.7	20.5	18,428
1979	Total	14,246	5,814	835	1,135	18.5	7.6	10.9	14.8	76,899
	White	4,417	3,461	530	712	7.8	6.1	9.3	12.5	56,736
	Nonwhite	9,829	2,353	305	423	48.7	11.7	15.1	21.0	20,163
1980	Total	14,995	5,916	779	1,075	19.1	7.5	9.9	13.7	78,423
	White	4,950	3,404	488	686	8.5	5.9	8.4	11.8	58,047
	Nonwhite	10,045	2,512	291	389	49.3	12.3	14.3	19.1	20,376
1981	Total	15,353	5,851	724	1,000	19.4	7.4	9.1	12.6	79,278
	White	5,174	3,444	443	624	8.8	5.9	7.5	10.6	58,820
	Nonwhite	10,179	2,407	281	376	49.8	11.8	13.7	18.4	20,458
1982	Total	15,923	5,944	762	1,046	19.6	7.3	9.4	12.9	81,098
	White	5,578	3,456	462	647	9.2	5.7	7.6	10.7	60,469
	Nonwhite	10,345	2,488	300	399	50.1	12.1	14.5	19.3	20,629
1983	Total	16,627	5,905	693	986	20.6	7.3	8.6	12.2	80,779
	White	6,009	3,434	387	577	10.0	5.7	6.4	9.6	60,086
	Nonwhite	10,618	2,471	306	409	51.3	11.9	14.8	19.8	20,693
1984	Total	17,197	6,036	724	1,014	20.8	7.3	8.8	12.3	82,662
	White	6,098	3,534	436	606	9.9	5.8	7.1	9.9	61,391
	Nonwhite	11,099	2,502	288	408	52.2	11.8	13.5	19.2	21,271
1985	Total	18,421	6,070	696	990	21.4	7.1	8.1	11.5	85,984
	White	6,897	3,597	414	589	10.8	5.6	6.5	9.2	63,999
	Nonwhite	11,524	2,473	282	401	52.4	11.2	12.8	18.2	21,985
1986	Total	19,493	6,207	645	958	22.4	7.1	7.4	11.0	87,125
	White	7,516	3,659	374	565	11.7	5.7	5.8	8.8	64,400
	Nonwhite	11,977	2,548	271	393	52.7	11.2	11.9	17.3	22,725
1987	Total	20,515	6,355	601	915	22.7	7.0	6.7	10.1	90,314
	White	8,293	3,713	343	539	12.4	5.6	5.1	8.1	66,885
	Nonwhite	12,222	2,642	258	376	52.2	11.3	11.0	16.0	23,429
1988	Total	22,072	6,628	633	965	23.8	7.1	6.8	10.4	92,816
	White	8,994	3,760	342	549	13.2	5.5	5.0	8.0	68,222
	Nonwhite	13,078	2,868	291	416	53.2	11.7	11.8	16.9	24,594
1989	Total	24,390	6,941	681	963	25.3	7.2	7.1	10.0	96,538
	White	10,062	3,866	366	516	14.3	5.5	5.2	7.3	70,482
	Nonwhite	14,328	3,075	315	447	55.0	11.8	12.1	17.2	26,056
1990	Total	25,813	7,241	691	1,005	26.1	7.3	7.0	10.2	98,752
	White	10,901	4,076	354	532	15.2	5.7	4.9	7.4	71,776
	Nonwhite	14,912	3,165	337	473	55.3	11.7	12.5	17.5	26,976

TABLE 5
RESIDENT TOTAL PREGNANCIES, LIVE BIRTHS, INDUCED ABORTIONS, AND NATURAL FETAL DEATHS
WITH RATES PER 1,000 FEMALES AGED 15-44 BY RACE
VIRGINIA, 1970-1990

YEAR	RACE	TOTAL PREGNANCIES*	LIVE BIRTHS	INDUCED ABORTIONS	NATURAL FETAL DEATHS	RATES PER 1,000 FEMALES 15-44				ESTIMATED FEMALES 15-44
						TOTAL	LIVE BIRTHS	ABORTIONS	FETAL DEATHS	
1970	Total	94,554	86,081	1,633	6,840	93.4	85.0	1.6	6.8	1,012,300
	White	73,388	66,657	1,428	5,303	89.0	80.8	1.7	6.4	825,000
	Nonwhite	21,166	19,424	205	1,537	113.0	103.7	1.1	8.2	187,300
1971	Total	92,573	82,713	3,764	6,096	88.8	79.4	3.6	5.8	1,042,200
	White	70,720	63,592	2,528	4,600	83.1	74.7	3.0	5.4	851,000
	Nonwhite	21,853	19,121	1,236	1,496	114.3	100.0	6.5	7.8	191,200
1972	Total	85,547	75,068	4,564	5,915	79.8	70.0	4.3	5.5	1,072,300
	White	64,193	57,440	2,371	4,382	73.2	65.5	2.7	5.0	877,100
	Nonwhite	21,354	17,628	2,193	1,533	109.4	90.3	11.2	7.9	195,200
1973	Total	84,373	71,665	7,136	5,572	76.6	65.0	6.5	5.1	1,102,100
	White	63,093	54,877	4,068	4,148	69.9	60.8	4.5	4.6	903,000
	Nonwhite	21,280	16,788	3,068	1,424	106.9	84.3	15.4	7.2	199,100
1974	Total	90,257	71,066	13,594	5,597	79.7	62.8	12.0	4.9	1,131,900
	White	66,896	54,248	8,437	4,211	72.0	58.4	9.1	4.5	929,000
	Nonwhite	23,361	16,818	5,157	1,386	115.1	82.9	25.4	6.8	202,900
1975	Total	92,915	70,032	17,066	5,817	80.0	60.3	14.7	5.0	1,161,760
	White	67,815	53,207	10,365	4,243	71.0	55.7	10.9	4.4	954,856
	Nonwhite	25,100	16,825	6,701	1,574	121.3	81.3	32.4	7.6	206,904
1976	Total	97,604	69,972	21,563	6,069	82.3	59.0	18.2	5.1	1,185,411
	White	70,602	53,012	13,201	4,389	72.6	54.5	13.6	4.5	972,677
	Nonwhite	27,002	16,960	8,362	1,680	126.9	79.7	39.3	7.9	212,734
1977	Total	105,831	74,246	25,399	6,186	87.2	61.2	20.9	5.1	1,213,950
	White	76,298	55,662	16,170	4,466	76.5	55.8	16.2	4.5	997,086
	Nonwhite	29,533	18,584	9,229	1,720	136.2	85.7	42.6	7.9	216,864
1978	Total	107,972	73,349	28,492	6,131	86.4	58.7	22.8	4.9	1,249,069
	White	78,953	54,921	19,642	4,390	78.5	54.6	19.5	4.4	1,006,158
	Nonwhite	29,019	18,428	8,850	1,741	119.5	75.9	36.4	7.2	242,911
1979	Total	112,559	76,899	29,455	6,205	88.2	60.2	23.1	4.9	1,276,901
	White	81,609	56,736	20,453	4,420	79.6	55.3	20.0	4.3	1,025,116
	Nonwhite	30,950	20,163	9,002	1,785	122.9	80.1	35.8	7.1	251,785
1980	Total	114,933	78,423	30,062	6,448	88.1	60.1	23.1	4.9	1,304,100
	White	83,693	58,047	21,026	4,620	80.2	55.6	20.1	4.4	1,043,500
	Nonwhite	31,240	20,376	9,036	1,828	119.9	78.2	34.7	7.0	260,600
1981	Total	116,075	79,278	30,166	6,631	87.7	59.9	22.8	5.0	1,323,000
	White	84,361	58,820	20,706	4,835	79.7	55.6	19.6	4.6	1,058,000
	Nonwhite	31,714	20,458	9,460	1,796	119.7	77.2	35.7	6.8	265,000
1982	Total	117,565	81,098	30,012	6,455	86.9	59.9	22.2	4.8	1,353,600
	White	85,859	60,469	20,719	4,671	81.4	57.3	19.6	4.4	1,055,402
	Nonwhite	31,706	20,629	9,293	1,784	106.3	69.2	31.2	6.0	298,198
1983	Total	116,856	80,779	29,598	6,479	85.0	58.7	21.5	4.7	1,375,189
	White	85,001	60,086	20,177	4,738	79.5	56.2	18.9	4.4	1,069,154
	Nonwhite	31,855	20,693	9,421	1,741	104.1	67.6	30.8	5.7	306,035
1984	Total	120,257	82,662	30,819	6,776	86.1	59.2	22.1	4.8	1,397,452
	White	87,420	61,391	21,040	4,989	80.7	56.7	19.4	4.6	1,083,245
	Nonwhite	32,837	21,271	9,779	1,787	104.5	67.7	31.1	5.7	314,207
1985	Total	124,073	85,984	31,094	6,995	88.1	61.1	22.1	5.0	1,408,096
	White	90,231	63,999	21,046	5,186	82.5	58.5	19.2	4.7	1,093,320
	Nonwhite	33,842	21,985	10,048	1,809	107.5	69.8	31.9	5.7	314,776
1986	Total	126,499	87,125	31,977	7,397	88.6	61.0	22.4	5.2	1,427,925
	White	91,251	64,400	21,361	5,490	82.5	58.2	19.3	5.0	1,106,626
	Nonwhite	35,248	22,725	10,616	1,907	109.7	70.7	33.0	5.9	321,299
1987	Total	129,951	90,314	32,436	7,201	89.8	62.4	22.4	5.0	1,447,748
	White	93,605	66,885	21,428	5,292	83.6	59.7	19.1	4.7	1,119,918
	Nonwhite	36,346	23,429	11,008	1,909	110.9	71.5	33.6	5.8	327,830
1988	Total	134,349	92,816	33,637	7,896	91.5	63.2	22.9	5.4	1,467,566
	White	95,928	68,222	22,024	5,682	84.7	60.2	19.4	5.0	1,133,230
	Nonwhite	38,421	24,594	11,613	2,214	114.9	73.6	34.7	6.6	334,336
1989	Total	136,907	96,538	32,584	7,785	92.0	64.9	21.9	5.2	1,487,389
	White	97,347	70,482	21,116	5,749	84.9	61.5	18.4	5.0	1,146,522
	Nonwhite	39,560	26,056	11,468	2,036	116.1	76.4	33.6	6.0	340,867
1990#	Total	138,801	98,752	32,353	7,696	90.5	64.4	21.1	5.0	1,534,057
	White	97,776	71,776	20,456	5,544	83.9	61.6	17.6	4.8	1,165,344
	Nonwhite	41,025	26,976	11,897	2,152	111.3	73.2	32.3	5.8	368,713

Population Data for 1990 are from the Decennial United States Census of the Population
* Total Pregnancies Are The Sums of Resident Live Births, Induced Abortions, And Natural Fetal Deaths Reported to Virginia

TABLE 6
LIVE BIRTHS BY PLACE OF OCCURRENCE AND PLACE OF RESIDENCE WITH RESIDENT RATE PER 1,000 POPULATION BY RACE BY PLANNING DISTRICT AND CITY OR COUNTY VIRGINIA, 1990

PLANNING DISTRICT AND CITY / COUNTY	PLACE OF OCCURRENCE			PLACE OF RESIDENCE					
				Number			Rate		
	Total	White	Nonwhite	Total	White	Nonwhite	Total	White	Nonwhite
STATE OF VIRGINIA	96,626	69,990	26,636	98,752	71,776	26,976	16.0	15.0	19.3
DISTRICT 1	1,020	998	22	1,204	1,178	26	13.2	13.1	16.8
LEE	32	32		292	290	2	11.9	11.9	13.3
SCOTT				250	247	3	10.8	10.7	17.2
WISE	552	540	12	585	570	15	14.8	14.7	16.7
NORTON	436	426	10	77	71	6	18.1	18.1	18.5
DISTRICT 2	874	863	11	1,419	1,396	23	11.5	11.5	10.5
BUCHANAN	1	1		367	365	2	11.7	11.7	8.8
DICKENSON				185	185		10.5	10.6	0.0
RUSSELL	201	197	4	317	314	3	11.1	11.1	8.4
TAZEWELL	672	665	7	550	532	18	12.0	12.0	12.0
DISTRICT 3	1,749	1,717	32	2,069	2,019	50	11.6	11.7	9.6
BLAND				59	59		9.1	9.4	0.0
CARROLL	1	1		313	312	1	11.8	11.8	4.7
GRAYSON				172	167	5	10.6	10.6	9.1
SMYTH	359	354	5	416	411	5	12.9	13.0	6.5
WASHINGTON	629	625	4	527	518	9	11.5	11.5	11.2
WYTHE	271	264	7	278	270	8	10.9	11.0	8.0
BRISTOL				213	200	13	11.6	11.6	11.0
GALAX	489	473	16	91	82	9	13.6	13.2	20.0
DISTRICT 4	1,557	1,427	130	1,786	1,628	158	11.7	11.4	15.7
FLOYD	10	10		132	129	3	11.0	11.1	8.8
GILES	1	1		193	189	4	11.8	11.8	12.4
MONTGOMERY	589	522	67	894	792	102	12.1	11.6	17.2
PULASKI	235	211	24	426	390	36	12.3	12.1	16.8
RADFORD	722	683	39	141	128	13	8.8	8.7	10.0
DISTRICT 5	4,513	3,790	723	3,387	2,792	595	13.4	12.6	18.6
ALLEGHANY	303	280	23	156	148	8	11.8	11.6	20.8
BOTETOURT				258	250	8	10.3	10.5	6.4
CRAIG				62	62		14.2	14.2	0.0
ROANOKE				731	708	23	9.2	9.3	8.2
CLIFTON FORGE				41	31	10	8.8	7.8	14.0
COVINGTON				80	71	9	11.4	11.9	8.7
ROANOKE CITY	3,253	2,610	643	1,761	1,229	532	18.3	17.1	21.7
SALEM	957	900	57	298	293	5	12.5	13.0	3.9
DISTRICT 6	2,801	2,663	138	2,862	2,688	174	12.7	12.7	12.8
AUGUSTA	9	9		695	670	25	12.7	12.8	11.1
BATH	2	2		50	48	2	10.4	10.6	7.5
HIGHLAND	1	1		28	28		10.6	10.6	0.0
ROCKBRIDGE	2	2		200	192	8	10.9	10.9	11.9
ROCKINGHAM	9	9		777	767	10	13.5	13.7	7.6
BUENA VISTA				86	81	5	13.4	13.3	16.0
HARRISONBURG	1,630	1,578	52	363	332	31	11.8	11.9	11.3
LEXINGTON	303	282	21	70	62	8	10.1	10.3	8.6
STAUNTON	347	312	35	325	269	56	13.3	12.7	17.1
WAYNESBORO	498	468	30	268	239	29	14.4	14.3	15.5
DISTRICT 7	2,298	2,176	122	2,389	2,262	127	15.0	14.9	17.1
CLARKE	2	2		161	148	13	13.3	13.5	11.6
FREDERICK	14	14		675	659	16	14.8	14.8	13.5
PAGE	3	3		247	240	7	11.4	11.4	12.8
SHENANDOAH	267	263	4	431	422	9	13.6	13.6	15.9
WARREN	280	257	23	432	403	29	16.5	16.4	19.4
WINCHESTER	1,732	1,637	95	443	390	53	20.2	20.0	21.3
DISTRICT 8	23,592	18,885	4,707	24,322	19,322	5,000	16.6	16.3	17.7
ARLINGTON	3,826	2,757	1,069	2,639	1,951	688	15.4	14.9	17.2
FAIRFAX	12,426	10,219	2,207	12,617	10,053	2,564	15.4	15.1	16.7
LOUDOUN	929	862	67	1,657	1,504	153	19.2	19.5	16.9
PRINCE WILLIAM	1,727	1,460	267	4,400	3,651	749	20.4	20.3	20.8
ALEXANDRIA	3,436	2,503	933	1,949	1,247	702	17.5	16.2	20.4
FAIRFAX CITY	4	3	1	255	211	44	13.0	12.5	15.8
FALLS CHURCH	3	3		100	89	11	10.4	10.4	10.5
MANASSAS	1,240	1,077	163	569	489	80	20.4	21.0	17.3
MANASSAS PARK	1	1		136	127	9	20.2	21.4	11.3
DISTRICT 9	756	680	76	1,791	1,519	272	15.4	15.2	16.2
CULPEPER	173	138	35	489	380	109	17.6	16.8	20.9
FAUQUIER	570	531	39	757	677	80	15.5	15.9	13.1
MADISON	5	3	2	164	133	31	13.7	13.1	17.5
ORANGE	1	1		307	255	52	14.3	14.0	16.3
RAPPAHANNOCK	7	7		74	74		11.2	12.1	0.0
DISTRICT 10	3,508	2,691	817	2,384	1,866	518	14.5	13.9	17.3
ALBEMARLE	2,072	1,403	669	920	788	132	13.5	13.3	15.0
FLUVANNA	1		1	227	165	62	18.3	17.3	21.3
GREENE	2	2		176	163	13	17.1	17.0	18.1
LOUISA	2	2		309	230	79	15.2	15.4	14.8
NELSON	3	3		160	130	30	12.5	12.7	11.8
CHARLOTTESVILLE	1,428	1,281	147	592	390	202	14.7	12.7	20.9
DISTRICT 11	3,003	2,175	828	2,930	2,189	741	14.2	13.1	18.8
AMHERST	2	2		387	293	94	13.5	13.0	15.7
APPOMATTOX	1		1	156	104	52	12.7	11.0	18.3
BEDFORD				599	549	50	13.1	13.1	13.2
CAMPBELL	1	1		654	532	122	13.7	13.2	17.1
BEDFORD CITY	329	275	54	84	58	26	13.8	12.4	18.8
LYNCHBURG	2,671	1,898	773	1,050	653	397	15.9	13.6	21.8

[continued]

TABLE 6
LIVE BIRTHS BY PLACE OF OCCURRENCE AND PLACE OF RESIDENCE WITH RESIDENT RATE PER 1,000 POPULATION BY RACE BY PLANNING DISTRICT AND CITY OR COUNTY
VIRGINIA, 1990

PLANNING DISTRICT AND CITY / COUNTY	PLACE OF OCCURRENCE			PLACE OF RESIDENCE					
				Number			Rate		
	Total	White	Nonwhite	Total	White	Nonwhite	Total	White	Nonwhite
STATE OF VIRGINIA	96,626	69,990	26,636	98,752	71,776	26,976	16.0	15.0	19.3
DISTRICT 12	2,381	1,441	940	3,211	2,091	1,120	13.4	11.7	18.6
FRANKLIN	226	131	95	497	430	67	12.6	12.2	15.2
HENRY	1	1		811	571	240	14.2	13.1	17.9
PATRICK	255	202	53	189	168	21	10.8	10.4	15.6
PITTSYLVANIA	2	1	1	576	366	210	10.3	9.0	13.9
DANVILLE	1,406	763	643	923	443	480	17.4	13.3	24.2
MARTINSVILLE	491	343	148	215	113	102	13.3	11.2	16.9
DISTRICT 13	882	458	424	1,062	516	546	13.1	11.1	15.7
BRUNSWICK				202	67	135	12.6	10.1	14.4
HALIFAX	1		1	363	199	164	12.5	11.4	14.2
MECKLENBURG	182	91	91	379	197	182	13.0	11.0	16.1
SOUTH BOSTON	699	367	332	118	53	65	16.9	12.1	24.8
DISTRICT 14	379	159	220	1,211	612	599	14.3	11.7	18.4
AMELIA	2	2		148	94	54	16.8	15.8	18.9
BUCKINGHAM	5	3	2	196	77	119	15.2	10.2	22.4
CHARLOTTE	1	1		192	107	85	16.4	14.5	19.8
CUMBERLAND	1		1	124	63	61	15.8	13.2	19.9
LUNENBURG				132	73	59	11.6	10.3	13.6
NOTTOWAY	2		2	200	109	91	13.3	12.5	14.6
PRINCE EDWARD	368	153	215	219	89	130	12.6	8.1	20.3
DISTRICT 15	14,128	8,916	5,212	12,105	7,733	4,372	16.4	14.8	20.1
CHARLES CITY COUNTY				80	33	47	12.7	18.3	10.5
CHESTERFIELD	13	13		3,440	2,873	567	16.4	16.2	17.6
GOOCHLAND	2	2		190	131	59	13.4	13.2	13.8
HANOVER	8	8		956	851	105	15.1	15.1	15.3
HENRICO	6,120	4,966	1,154	3,386	2,475	911	15.5	14.7	18.4
NEW KENT	2	2		163	130	33	15.6	16.1	13.9
POWHATAN	1	1		204	177	27	13.3	14.8	8.0
RICHMOND CITY	7,982	3,924	4,058	3,686	1,063	2,623	18.2	12.1	22.8
DISTRICT 16	2,084	1,737	347	3,033	2,509	524	17.8	17.6	18.8
CAROLINE	1		1	321	195	126	16.7	16.7	16.7
KING GEORGE	2	2		225	173	52	16.6	16.3	17.7
SPOTSYLVANIA	7	6	1	892	783	109	15.5	15.6	15.2
STAFFORD	6	6		1,006	912	94	16.4	16.4	16.5
FREDERICKSBURG	2,068	1,723	345	589	446	143	31.0	30.8	31.4
DISTRICT 17	293	163	130	580	342	238	13.1	11.3	17.1
LANCASTER	291	162	129	143	78	65	13.1	10.3	19.5
NORTHUMBERLAND	1		1	112	68	44	10.6	9.2	14.0
RICHMOND				79	48	31	10.9	9.5	13.8
WESTMORELAND	1	1		246	148	98	15.9	14.4	18.8
DISTRICT 18	15	5	10	1,039	784	255	14.2	13.9	15.3
ESSEX	8	1	7	135	67	68	15.5	12.6	20.2
GLOUCESTER	7	4	3	478	423	55	15.9	16.0	14.9
KING & QUEEN				92	52	40	14.6	14.6	14.7
KING WILLIAM				176	123	53	16.1	16.7	14.9
MATHEWS				74	61	13	8.9	8.5	10.8
MIDDLESEX				84	58	26	9.7	8.9	12.1
DISTRICT 19	2,361	1,118	1,243	2,565	1,235	1,330	16.4	14.1	19.3
DINWIDDIE				270	171	99	12.9	12.8	13.0
GREENSVILLE	1	1		129	47	82	14.6	12.1	16.6
PRINCE GEORGE	1		1	424	280	144	15.5	15.3	15.8
SURRY	2		2	91	41	50	14.8	15.1	14.6
SUSSEX				157	53	104	15.3	12.5	17.3
COLONIAL HEIGHTS				188	168	20	11.7	10.8	35.6
EMPORIA	281	54	227	116	40	76	21.9	14.0	30.9
HOPEWELL	498	344	154	426	290	136	18.4	17.4	21.2
PETERSBURG	1,578	719	859	764	145	619	19.9	14.2	22.0
DISTRICT 20	20,001	12,756	7,245	19,560	12,441	7,119	19.3	18.2	21.7
ISLE OF WIGHT	1	1		373	242	131	14.9	14.3	16.2
SOUTHAMPTON				200	103	97	11.4	10.7	12.3
CHESAPEAKE	2,219	1,604	615	2,592	1,711	881	17.1	15.9	19.8
FRANKLIN CITY	362	164	198	189	81	108	24.0	22.3	25.6
NORFOLK	7,591	4,380	3,211	5,561	2,841	2,720	21.3	19.2	24.1
PORTSMOUTH	4,509	2,648	1,861	2,136	1,004	1,132	20.6	18.9	22.3
SUFFOLK	861	387	474	852	394	458	16.3	13.8	19.4
VIRGINIA BEACH	4,458	3,572	886	7,657	6,065	1,592	19.5	19.2	20.8
DISTRICT 21	7,832	4,929	2,903	7,172	4,350	2,822	17.8	16.3	20.6
JAMES CITY COUNTY	1	1		493	380	113	14.1	13.7	16.0
YORK				439	352	87	10.3	10.2	11.0
HAMPTON	2,622	1,263	1,359	2,400	1,369	1,031	17.9	17.5	18.5
NEWPORT NEWS	4,246	2,912	1,334	3,549	2,019	1,530	20.9	19.0	24.0
POQUOSON				125	123	2	11.4	11.5	7.2
WILLIAMSBURG	963	753	210	166	107	59	14.4	11.4	27.3
DISTRICT 22	599	243	356	671	304	367	15.0	11.1	21.1
ACCOMACK	3		3	468	214	254	14.8	10.4	22.7
NORTHAMPTON	596	243	353	203	90	113	15.5	13.1	18.3

TABLE 7
RESIDENT LIVE BIRTHS BY RACE AND BY PLACE OF DELIVERY
BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE
VIRGINIA, 1990

PLANNING DISTRICT AND CITY / COUNTY	RESIDENT LIVE BIRTHS			RESIDENT LIVE BIRTHS BY PLACE OF DELIVERY								
				TOTAL			WHITE			NONWHITE		
				Hospital Births	Non-Hosp Births		Hospital Births	Non-Hosp Births		Hospital Births	Non-Hosp Births	
	Total	White	Nonwh		Physician Assisted	Midwife & Other		Physician Assisted	Midwife & Other		Physician Assisted	Midwife & Other
STATE OF VIRGINIA	98,752	71,776	26,976	98,210	166	376	71,348	82	346	26,862	84	30
DISTRICT 1	1,204	1,178	26	1,204			1,178			26		
LEE	292	290	2	292			290			2		
SCOTT	250	247	3	250			247			3		
WISE	585	570	15	585			570			15		
NORTON	77	71	6	77			71			6		
DISTRICT 2	1,419	1,396	23	1,415	4		1,393	3		22	1	
BUCHANAN	367	365	2	366	1		364	1		2		
DICKENSON	185	185		185			185					
RUSSELL	317	314	3	316	1		313	1		3		
TAZEWELL	550	532	18	548	2		531	1		17	1	
DISTRICT 3	2,069	2,019	50	2,067	1	1	2,017	1	1	50		
BLAND	59	59		59			59					
CARROLL	313	312	1	312		1	311		1	1		
GRAYSON	172	167	5	172			167			5		
SMYTH	416	411	5	415	1		410	1		5		
WASHINGTON	527	518	9	527			518			9		
WYTHE	278	270	8	278			270			8		
BRISTOL	213	200	13	213			200			13		
GALAX	91	82	9	91			82			9		
DISTRICT 4	1,786	1,628	158	1,767	5	14	1,611	5	12	156		2
FLOYD	132	129	3	123	3	6	120	3	6	3		
GILES	193	189	4	192		1	188		1	4		
MONTGOMERY	894	792	102	887		7	787		5	100		2
PULASKI	426	390	36	424	2		388	2		36		
RADFORD	141	128	13	141			128			13		
DISTRICT 5	3,387	2,792	595	3,383	2	2	2,788	2	2	595		
ALLEGHANY	156	148	8	156			148			8		
BOTETOURT	258	250	8	258			250			8		
CRAIG	62	62		62			62					
ROANOKE	731	708	23	731			708			23		
CLIFTON FORGE	41	31	10	41			31			10		
COVINGTON	80	71	9	80			71			9		
ROANOKE CITY	1,761	1,229	532	1,759	1	1	1,227	1	1	532		
SALEM	298	293	5	296	1	1	291	1	1	5		
DISTRICT 6	2,862	2,688	174	2,831	3	28	2,658	3	27	173		1
AUGUSTA	695	670	25	686	1	8	661	1	8	25		
BATH	50	48	2	50			48			2		
HIGHLAND	28	28		27		1	27		1			
ROCKBRIDGE	200	192	8	197		3	189		3	8		
ROCKINGHAM	777	767	10	768		9	758		9	10		
BUENA VISTA	86	81	5	86			81			5		
HARRISONBURG	363	332	31	359	2	2	328	2	2	31		
LEXINGTON	70	62	8	70			62			8		
STAUNTON	325	269	56	323		2	268		1	55		1
WAYNESBORO	268	239	29	265		3	236		3	29		
DISTRICT 7	2,389	2,262	127	2,352	7	30	2,225	7	30	127		
CLARKE	161	148	13	159	1	1	146	1	1	13		
FREDERICK	675	659	16	661	4	10	645	4	10	16		
PAGE	247	240	7	244	2	1	237	2	1	7		
SHENANDOAH	431	422	9	427		4	418		4	9		
WARREN	432	403	29	424		8	395		8	29		
WINCHESTER	443	390	53	437		6	384		6	53		
DISTRICT 8	24,322	19,322	5,000	24,135	50	137	19,167	29	126	4,968	21	11
ARLINGTON	2,639	1,951	688	2,609	10	20	1,926	8	17	683	2	3
FAIRFAX	12,617	10,053	2,564	12,525	24	68	9,976	15	62	2,549	9	6
LOUDOUN	1,657	1,504	153	1,642	4	11	1,490	3	11	152	1	
PRINCE WILLIAM	4,400	3,651	749	4,371	5	24	3,626	2	23	745	3	1
ALEXANDRIA	1,949	1,247	702	1,938	6	5	1,242	1	4	696	5	1
FAIRFAX CITY	255	211	44	251	1	3	208		3	43	1	
FALLS CHURCH	100	89	11	98		2	87		2	11		
MANASSAS	569	489	80	566		3	486		3	80		
MANASSAS PARK	136	127	9	135		1	126		1	9		
DISTRICT 9	1,791	1,519	272	1,768	3	20	1,498	2	19	270	1	1
CULPEPER	489	380	109	488		1	379		1	109		
FAUQUIER	757	677	80	747		10	667		10	80		
MADISON	164	133	31	159	2	3	130	1	2	29	1	1
ORANGE	307	255	52	306	1		254	1		52		
RAPPAHANNOCK	74	74		68		6	68		6			
DISTRICT 10	2,384	1,866	518	2,358	2	24	1,840	2	24	518		
ALBEMARLE	920	788	132	906	1	13	774	1	13	132		
FLUVANNA	227	165	62	227			165			62		
GREENE	176	163	13	174	1	1	161	1	1	13		
LOUISA	309	230	79	306		3	227		3	79		
NELSON	160	130	30	157		3	127		3	30		
CHARLOTTESVILLE	592	390	202	588		4	386		4	202		
DISTRICT 11	2,930	2,189	741	2,927		3	2,187		2	740		1
AMHERST	387	293	94	386		1	292		1	94		
APPOMATTOX	156	104	52	155		1	104			51		1
BEDFORD	599	549	50	599			549			50		
CAMPBELL	654	532	122	653		1	531		1	122		
BEDFORD CITY	84	58	26	84			58			26		
LYNCHBURG	1,050	653	397	1,050			653			397		

[continued]

TABLE 7
RESIDENT LIVE BIRTHS BY RACE AND BY PLACE OF DELIVERY
BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE
VIRGINIA, 1990

PLANNING DISTRICT AND CITY / COUNTY	RESIDENT LIVE BIRTHS			RESIDENT LIVE BIRTHS BY PLACE OF DELIVERY								
				TOTAL			WHITE			NONWHITE		
				Hospital	Non-Hosp Births		Hospital	Non-Hosp Births		Hospital	Non-Hosp Births	
				Births	Physician Assisted	Midwife & Other	Births	Physician Assisted	Midwife & Other	Births	Physician Assisted	Midwife & Other
	Total	White	Nonwh									
STATE OF VIRGINIA	98,752	71,776	26,976	98,210	166	376	71,348	82	346	26,862	84	30
DISTRICT 12	3,211	2,091	1,120	3,207	2	2	2,088	1	2	1,119	1	
FRANKLIN	497	430	67	497			430			67		
HENRY	811	571	240	810		1	570		1	240		
PATRICK	189	168	21	188		1	167		1	21		
PITTSYLVANIA	576	366	210	574	2		365	1		209	1	
DANVILLE	923	443	480	923			443			480		
MARTINSVILLE	215	113	102	215			113			102		
DISTRICT 13	1,062	516	546	1,058	3	1	516			542	3	1
BRUNSWICK	202	67	135	201		1	67			134		1
HALIFAX	363	199	164	362	1		199			163	1	
MECKLENBURG	379	197	182	377	2		197			180	2	
SOUTH BOSTON	118	53	65	118			53			65		
DISTRICT 14	1,211	612	599	1,199	4	8	604	1	7	595	3	1
AMELIA	148	94	54	144		4	91		3	53		1
BUCKINGHAM	196	77	119	191	2	3	74		3	117	2	
CHARLOTTE	192	107	85	190	1	1	105	1	1	85		
CUMBERLAND	124	63	61	124			63			61		
LUNENBURG	132	73	59	132			73			59		
NOTTOWAY	200	109	91	199	1		109			90	1	
PRINCE EDWARD	219	89	130	219			89			130		
DISTRICT 15	12,105	7,733	4,372	12,038	22	45	7,686	5	42	4,352	17	3
CHARLES CITY COUNTY	80	33	47	80			33			47		
CHESTERFIELD	3,440	2,873	567	3,428	1	11	2,861	1	11	567		
GOOCHLAND	190	131	59	188		2	129		2	59		
HANOVER	956	851	105	949	1	6	844	1	6	105		
HENRICO	3,386	2,475	911	3,373	2	11	2,464	2	9	909		2
NEW KENT	163	130	33	161	1	1	128	1	1	33		
POWHATAN	204	177	27	202	1	1	176		1	26	1	
RICHMOND CITY	3,686	1,063	2,623	3,657	16	13	1,051		12	2,606	16	1
DISTRICT 16	3,033	2,509	524	3,012	4	17	2,491	2	16	521	2	1
CAROLINE	321	195	126	320		1	195			125		1
KING GEORGE	225	173	52	223		2	171		2	52		
SPOTSYLVANIA	892	783	109	886	1	5	777	1	5	109		
STAFFORD	1,006	912	94	999	2	5	906	1	5	93	1	
FREDERICKSBURG	589	446	143	584	1	4	442		4	142	1	
DISTRICT 17	580	342	238	576	3	1	340	1	1	236	2	
LANCASTER	143	78	65	142	1		77	1		65		
NORTHUMBERLAND	112	68	44	111	1		68			43	1	
RICHMOND	79	48	31	79			48			31		
WESTMORELAND	246	148	98	244	1	1	147		1	97	1	
DISTRICT 18	1,039	784	255	1,037	1	1	782	1	1	255		
ESSEX	135	67	68	135			67			68		
GLOUCESTER	478	423	55	476	1	1	421	1	1	55		
KING & QUEEN	92	52	40	92			52			40		
KING WILLIAM	176	123	53	176			123			53		
MATHEWS	74	61	13	74			61			13		
MIDDLESEX	84	58	26	84			58			26		
DISTRICT 19	2,565	1,235	1,330	2,555	6	4	1,231	2	2	1,324	4	2
DINWIDDIE	270	171	99	270			171			99		
GREENSVILLE	129	47	82	127	2		46	1		81	1	
PRINCE GEORGE	424	280	144	422		2	279		1	143		1
SURRY	91	41	50	89	2		41			48	2	
SUSSEX	157	53	104	156		1	53			103		1
COLONIAL HEIGHTS	188	168	20	188			168			20		
EMPORIA	116	40	76	116			40			76		
HOPEWELL	426	290	136	425	1		289	1		136		
PETERSBURG	764	145	619	762	1	1	144		1	618	1	
DISTRICT 20	19,560	12,441	7,119	19,495	32	33	12,400	14	27	7,095	18	6
ISLE OF WIGHT	373	242	131	372	1		241	1		131		
SOUTHAMPTON	200	103	97	200			103			97		
CHESAPEAKE	2,592	1,711	881	2,588	1	3	1,710		1	878	1	2
FRANKLIN CITY	189	81	108	189			81			108		
NORFOLK	5,561	2,941	2,720	5,528	22	11	2,824	9	8	2,704	13	3
PORTSMOUTH	2,136	1,004	1,132	2,132	3	1	1,003		1	1,129	3	
SUFFOLK	852	394	458	851	1		394			457	1	
VIRGINIA BEACH	7,657	6,065	1,592	7,635	4	18	6,044	4	17	1,591		1
DISTRICT 21	7,172	4,350	2,822	7,157	10	5	4,344	1	5	2,813	9	
JAMES CITY COUNTY	493	380	113	493			380			113		
YORK	439	352	87	439			352			87		
HAMPTON	2,400	1,369	1,031	2,392	6	2	1,366	1	2	1,026	5	
NEWPORT NEWS	3,549	2,019	1,530	3,543	4	2	2,017		2	1,526	4	
POQUOSON	125	123	2	125			123			2		
WILLIAMSBURG	166	107	59	165		1	106		1	59		
DISTRICT 22	671	304	367	669	2		304			365	2	
ACCOMACK	468	214	254	466	2		214			252	2	
NORTHAMPTON	203	90	113	203			90			113		

TABLE 8
ILLEGITIMATE LIVE BIRTHS, LOW WEIGHT BIRTHS, AND CONGENITAL ANOMALIES WITH PERCENT OF TOTAL BIRTHS
BY RACE AND BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE
VIRGINIA, 1990

PLANNING DISTRICT AND CITY / COUNTY	ILLEGITIMATE LIVE BIRTHS						LOW WEIGHT BIRTHS						CONGENITAL ANOMALIES	
	Number			Percent			Number			Percent				
	Total	White	Nonwh	Total	White	Nonwh	Total	White	Nonwh	Total	White	Nonwh	Number	Percent
STATE OF VIRGINIA	25,813	10,901	14,912	26.1	15.2	55.3	7,241	4,076	3,165	7.3	5.7	11.7	1,462	1.5
DISTRICT 1	282	264	18	23.4	22.4	69.2	95	88	7	7.9	7.5	26.9	36	3.0
LEE	68	67	1	23.3	23.1	50.0	20	20		6.8	6.9	0.0	9	3.1
SCOTT	47	45	2	18.8	18.2	66.7	16	15	1	6.4	6.1	33.3	3	1.2
WISE	139	129	10	23.8	22.6	66.7	49	45	4	8.4	7.9	26.7	22	3.8
NORTON	28	23	5	36.4	32.4	83.3	10	8	2	13.0	11.3	33.3	2	2.6
DISTRICT 2	272	257	15	19.2	18.4	65.2	89	86	3	6.3	6.2	13.0	23	1.6
BUCHANAN	71	70	1	19.3	19.2	50.0	21	21		5.7	5.8	0.0	2	0.5
DICKENSON	34	34		18.4	18.4		11	11		5.9	5.9		9	4.9
RUSSELL	50	48	2	15.8	15.3	66.7	20	20		6.3	6.4	0.0	4	1.3
TAZEWELL	117	105	12	21.3	19.7	66.7	37	34	3	6.7	6.4	16.7	8	1.5
DISTRICT 3	424	394	30	20.5	19.5	60.0	147	142	5	7.1	7.0	10.0	84	4.1
BLAND	11	11		18.6	18.6		4	4		6.8	6.8			0.0
CARROLL	54	53	1	17.3	17.0	100.0	19	19		6.1	6.1	0.0	6	1.9
GRAYSON	29	26	3	16.9	15.6	60.0	10	9	1	5.8	5.4	20.0	4	2.3
SMYTH	80	78	2	19.2	19.0	40.0	27	27		6.5	6.6	0.0	20	4.8
WASHINGTON	93	90	3	17.6	17.4	33.3	48	47	1	9.1	9.1	11.1	19	3.6
WYTHE	69	66	3	24.8	24.4	37.5	15	15		5.4	5.6	0.0	22	7.9
BRISTOL	51	40	11	23.9	20.0	84.6	18	15	3	8.5	7.5	23.1	10	4.7
GALAX	37	30	7	40.7	36.6	77.8	6	6		6.6	7.3	0.0	3	3.3
DISTRICT 4	384	327	57	21.5	20.1	36.1	124	108	16	6.9	6.6	10.1	26	1.5
FLOYD	21	20	1	15.9	15.5	33.3	11	11		8.3	8.5	0.0	4	3.0
GILES	42	40	2	21.8	21.2	50.0	12	12		6.2	6.3	0.0		0.0
MONTGOMERY	148	129	19	16.6	16.3	18.6	56	52	4	6.3	6.6	3.9	12	1.3
PULASKI	147	118	29	34.5	30.3	80.6	30	21	9	7.0	5.4	25.0	9	2.1
RADFORD	26	20	6	18.4	15.6	46.2	15	12	3	10.6	9.4	23.1	1	0.7
DISTRICT 5	969	545	424	28.6	19.5	71.3	264	189	75	7.8	6.8	12.6	110	3.2
ALLEGHANY	27	24	3	17.3	16.2	37.5	11	10	1	7.1	6.8	12.5	2	1.3
BOTETOURT	42	39	3	16.3	15.6	37.5	13	12	1	5.0	4.8	12.5	10	3.9
CRAIG	12	12		19.4	19.4		2	2		3.2	3.2		2	3.2
ROANOKE	90	82	8	12.3	11.6	34.8	43	40	3	5.9	5.6	13.0	19	2.6
CLIFTON FORGE	15	9	6	36.6	29.0	60.0	6	5	1	14.6	16.1	10.0	4	9.8
COVINGTON	27	21	6	33.8	29.6	66.7	4	4		5.0	5.6	0.0	1	1.3
ROANOKE CITY	708	312	396	40.2	25.4	74.4	172	103	69	9.8	8.4	13.0	66	3.7
SALEM	48	46	2	16.1	15.7	40.0	13	13		4.4	4.4	0.0	6	2.0
DISTRICT 6	625	524	101	21.8	19.5	58.0	164	150	14	5.7	5.6	8.0	57	2.0
AUGUSTA	135	123	12	19.4	18.4	48.0	45	42	3	6.5	6.3	12.0	11	1.6
BATH	7	5	2	14.0	10.4	100.0	5	4	1	10.0	8.3	50.0	2	4.0
HIGHLAND	5	5		17.9	17.9		2	2		7.1	7.1			0.0
ROCKBRIDGE	45	41	4	22.5	21.4	50.0	11	11		5.5	5.7	0.0	3	1.5
ROCKINGHAM	124	119	5	16.0	15.5	50.0	35	34	1	4.5	4.4	10.0	17	2.2
BUENA VISTA	24	20	4	27.9	24.7	80.0	5	4	1	5.8	4.9	20.0	3	3.5
HARRISONBURG	78	63	15	21.5	19.0	48.4	23	20	3	6.3	6.0	9.7	3	0.8
LEXINGTON	22	16	6	31.4	25.8	75.0	3	3		4.3	4.8	0.0	2	2.9
STAUNTON	105	72	33	32.3	26.8	58.9	20	16	4	6.2	5.9	7.1	9	2.8
WAYNESBORO	80	60	20	29.9	25.1	69.0	15	14	1	5.6	5.9	3.4	7	2.6
DISTRICT 7	584	507	77	24.4	22.4	60.6	153	133	20	6.4	5.9	15.7	78	3.3
CLARKE	38	28	10	23.6	18.9	76.9	14	10	4	8.7	6.8	30.8	7	4.3
FREDERICK	121	114	7	17.9	17.3	43.8	34	34		5.0	5.2	0.0	23	3.4
PAGE	61	56	5	24.7	23.3	71.4	17	15	2	6.9	6.3	28.6	10	4.0
SHENANDOAH	99	94	5	23.0	22.3	55.6	23	20	3	5.3	4.7	33.3	11	2.6
WARREN	107	90	17	24.8	22.3	58.6	34	31	3	7.9	7.7	10.3	9	2.1
WINCHESTER	158	125	33	35.7	32.1	62.3	31	23	8	7.0	5.9	15.1	18	4.1
DISTRICT 8	4,099	2,527	1,572	16.9	13.1	31.4	1,376	941	435	5.7	4.9	8.7	186	0.8
ARLINGTON	633	399	234	24.0	20.5	34.0	160	99	61	6.1	5.1	8.9	22	0.8
FAIRFAX	1,769	1,119	650	14.0	11.1	25.4	688	487	201	5.5	4.8	7.8	105	0.8
LOUDOUN	199	146	53	12.0	9.7	34.6	85	71	14	5.1	4.7	9.2	16	1.0
PRINCE WILLIAM	728	505	223	16.5	13.8	29.8	270	188	82	6.1	5.1	10.9	25	0.6
ALEXANDRIA	572	222	350	29.3	17.8	49.9	120	54	66	6.2	4.3	9.4	13	0.7
FAIRFAX CITY	39	25	14	15.3	11.8	31.8	11	8	3	4.3	3.8	6.8	3	1.2
FALLS CHURCH	10	7	3	10.0	7.9	27.3	4	3	1	4.0	3.4	9.1	1	1.0
MANASSAS	114	74	40	20.0	15.1	50.0	32	25	7	5.6	5.1	8.8		0.0
MANASSAS PARK	35	30	5	25.7	23.6	55.6	6	6		4.4	4.7	0.0	1	0.7
DISTRICT 9	358	202	156	20.0	13.3	57.4	116	85	31	6.5	5.6	11.4	25	1.4
CULPEPER	123	63	60	25.2	16.6	55.0	33	22	11	6.7	5.8	10.1	6	1.2
FAUQUIER	106	70	36	14.0	10.3	45.0	37	28	9	4.9	4.1	11.3	9	1.2
MADISON	40	19	21	24.4	14.3	67.7	14	12	2	8.5	9.0	6.5	4	2.4
ORANGE	82	43	39	26.7	16.9	75.0	31	22	9	10.1	8.6	17.3	4	1.3
RAPPAHANNOCK	7	7		9.5	9.5		1	1		1.4	1.4		2	2.7
DISTRICT 10	642	303	339	26.9	16.2	65.4	192	105	47	6.4	5.6	9.1	45	1.9
ALBEMARLE	163	100	63	17.7	12.7	47.7	48	36	12	5.2	4.6	9.1	26	2.8
FLUVANNA	59	19	40	26.0	11.5	64.5	7	4	3	3.1	2.4	4.8	3	1.3
GREENE	39	30	9	22.2	18.4	69.2	12	12		6.8	7.4	0.0	2	1.1
LOUISA	102	52	50	33.0	22.6	63.3	28	22	6	9.1	9.6	7.6	3	1.0
NELSON	48	27	21	30.0	20.8	70.0	10	7	3	6.3	5.4	10.0	5	3.1
CHARLOTTESVILLE	231	75	156	39.0	19.2	77.2	47	24	23	7.9	6.2	11.4	6	1.0
DISTRICT 11	941	336	505	28.7	15.3	68.2	205	119	86	7.0	5.4	11.6	38	1.3
AMHERST	108	53	55	27.9	18.1	58.5	23	15	8	5.9	5.1	8.5	2	0.5
APPOMATTOX	48	15	33	30.8	14.4	63.5	14	7	7	9.0	6.7	13.5	1	0.6
BEDFORD	103	73	30	17.2	13.3	60.0	38	34	4	6.3	6.2	8.0	15	2.5
CAMPBELL	157	78	79	24.0	14.7	64.8	40	21	19	6.1	3.9	15.6	3	0.5
BEDFORD CITY	41	19	22	48.8	32.8	84.6	6	4	2	7.1	6.9	7.7	1	1.2
LYNCHBURG	384	98	286	36.6	15.0	72.0	84	38	46	8.0	5.8	11.6	16	1.5

[continued]

TABLE 8

ILLEGITIMATE LIVE BIRTHS, LOW WEIGHT BIRTHS, AND CONGENITAL ANOMALIES WITH PERCENT OF TOTAL BIRTHS BY RACE AND BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE

VIRGINIA, 1990

PLANNING DISTRICT AND CITY / COUNTY	ILLEGITIMATE LIVE BIRTHS						LOW WEIGHT BIRTHS						CONGENITAL ANOMALIES	
	Number			Percent			Number			Percent				
	Total	White	Nonwh	Total	White	Nonwh	Total	White	Nonwh	Total	White	Nonwh	Number	Percent
STATE OF VIRGINIA	25,813	10,901	14,912	26.1	15.2	55.3	7,241	4,076	3,165	7.3	5.7	11.7	1,462	1.5
DISTRICT 12	1,085	361	724	33.8	17.3	64.6	304	147	157	9.5	7.0	14.0	63	2.0
FRANKLIN	117	73	44	23.5	17.0	65.7	45	31	14	9.1	7.2	20.9	17	3.4
HENRY	275	121	154	33.9	21.2	64.2	59	36	23	7.3	6.3	9.6	20	2.5
PATRICK	43	30	13	22.8	17.9	61.9	15	12	3	7.9	7.1	14.3	8	4.2
PITTSYLVANIA	178	52	126	30.9	14.2	60.0	53	31	22	9.2	8.5	10.5	4	0.7
DANVILLE	379	65	314	41.1	14.7	65.4	110	28	82	11.9	6.3	17.1	8	0.9
MARTINSVILLE	93	20	73	43.3	17.7	71.6	22	9	13	10.2	8.0	12.7	6	2.8
DISTRICT 13	385	67	318	36.3	13.0	58.2	105	38	67	9.9	7.4	12.3	22	2.1
BRUNSWICK	89	5	84	44.1	7.5	62.2	18	3	15	8.9	4.5	11.1	7	3.5
HALIFAX	121	30	91	33.3	15.1	55.5	35	16	19	9.6	8.0	11.6	7	1.9
MECKLENBURG	124	23	101	32.7	11.7	55.5	37	15	22	9.8	7.6	12.1	6	1.6
SOUTH BOSTON	51	9	42	43.2	17.0	64.6	15	4	11	12.7	7.5	16.9	2	1.7
DISTRICT 14	488	87	401	40.3	14.2	66.9	111	41	70	9.2	6.7	11.7	23	1.9
AMELIA	46	15	31	31.1	16.0	57.4	9	4	5	6.1	4.3	9.3	2	1.4
BUCKINGHAM	89	9	80	45.4	11.7	67.2	17	6	11	8.7	7.8	9.2	6	3.1
CHARLOTTE	64	8	56	33.3	7.5	65.9	23	8	15	12.0	7.5	17.6	4	2.1
CUMBERLAND	52	10	42	41.9	15.9	68.9	13	6	7	10.5	9.5	11.5	1	0.8
LUNENBURG	47	10	37	35.6	13.7	62.7	12	4	8	9.1	5.5	13.6	2	1.5
NOTTOWAY	80	21	59	40.0	19.3	64.8	15	6	9	7.5	5.5	9.9	2	1.0
PRINCE EDWARD	110	14	96	50.2	15.7	73.8	22	7	15	10.0	7.9	11.5	6	2.7
DISTRICT 15	3,693	924	2,769	30.5	11.9	63.3	1,030	439	591	8.5	5.7	13.5	88	0.7
CHARLES CITY COUNTY	30	4	26	37.5	12.1	55.3	6	2	4	7.5	6.1	8.5		0.0
CHESTERFIELD	543	344	199	15.8	12.0	35.1	205	157	48	6.0	5.5	8.5	27	0.8
GOOCHLAND	39	9	30	20.5	6.9	50.8	4	1	3	2.1	0.8	5.1		0.0
HANOVER	112	62	50	11.7	7.3	47.6	60	45	15	6.3	5.3	14.3	3	0.3
HENRICO	698	268	430	20.6	10.8	47.2	263	148	115	7.8	6.0	12.6	27	0.8
NEW KENT	36	15	21	22.1	11.5	63.6	13	9	4	8.0	6.9	12.1	2	1.2
POWHATAN	42	27	15	20.6	15.3	55.6	8	7	1	3.9	4.0	3.7	2	1.0
RICHMOND CITY	2,193	195	1,998	59.5	18.3	76.2	471	70	401	12.8	6.6	15.3	27	0.7
DISTRICT 16	676	406	270	22.3	16.2	51.5	200	137	63	6.6	5.5	12.0	23	0.8
CAROLINE	116	35	81	36.1	17.9	64.3	29	13	16	9.0	6.7	12.7		0.0
KING GEORGE	59	28	31	26.2	16.2	59.6	12	6	6	5.3	3.5	11.5	4	1.8
SPOTSYLVANIA	138	99	39	15.5	12.6	35.8	53	39	14	5.9	5.0	12.8	6	0.7
STAFFORD	173	135	38	17.2	14.8	40.4	62	49	13	6.2	5.4	13.8	9	0.9
FREDERICKSBURG	190	109	81	32.3	24.4	56.6	44	30	14	7.5	6.7	9.8	4	0.7
DISTRICT 17	224	53	171	38.6	15.5	71.8	39	14	25	6.7	4.1	10.5	11	1.9
LANCASTER	60	13	47	42.0	16.7	72.3	10	3	7	7.0	3.8	10.8	7	4.9
NORTHUMBERLAND	31	5	26	27.7	7.4	59.1	7	1	6	6.3	1.5	13.6	1	0.9
RICHMOND	26	4	22	32.9	8.3	71.0	2		2	2.5	0.0	6.5		0.0
WESTMORELAND	107	31	76	43.5	20.9	77.6	20	10	10	8.1	6.8	10.2	3	1.2
DISTRICT 18	283	111	172	27.2	14.2	67.5	85	48	37	8.2	6.1	14.5	18	1.7
ESSEX	64	14	50	47.4	20.9	73.5	16	5	11	11.9	7.5	16.2	4	3.0
GLOUCESTER	99	66	33	20.7	15.6	60.0	32	24	8	6.7	5.7	14.5	7	1.5
KING & QUEEN	30	5	25	32.6	9.6	62.5	11	6	5	12.0	11.5	12.5	1	1.1
KING WILLIAM	44	12	32	25.0	9.8	60.4	12	5	7	6.8	4.1	13.2	3	1.7
MATHEWS	16	6	10	21.6	9.8	76.9	3	2	1	4.1	3.3	7.7	1	1.4
MIDDLESEX	30	8	22	35.7	13.8	84.6	11	6	5	13.1	10.3	19.2	2	2.4
DISTRICT 19	1,097	252	845	42.8	20.4	63.5	252	89	163	9.8	7.2	12.3	27	1.1
DINWIDDIE	91	24	67	33.7	14.0	67.7	23	12	11	8.5	7.0	11.1	3	1.1
GREENSVILLE	59	7	52	45.7	14.9	63.4	11	3	8	8.5	6.4	9.8	1	0.8
PRINCE GEORGE	80	39	41	18.9	13.9	28.5	40	25	15	9.4	8.9	10.4	3	0.7
SURRY	28	3	25	30.8	7.3	50.0	3	1	2	3.3	2.4	4.0	1	1.1
SUSSEX	87	12	75	55.4	22.6	72.1	11	2	9	7.0	3.8	8.7	3	1.9
COLONIAL HEIGHTS	48	37	11	25.5	22.0	55.0	15	13	2	8.0	7.7	10.0	1	0.5
EMPORIA	61	7	54	52.6	17.5	71.1	15		15	12.9	0.0	19.7		0.0
HOPEWELL	169	80	89	39.7	27.6	65.4	44	20	24	10.3	6.9	17.6	6	1.4
PETERSBURG	474	43	431	62.0	29.7	69.6	90	13	77	11.8	9.0	12.4	9	1.2
DISTRICT 20	5,861	1,792	4,069	30.0	14.4	57.2	1,611	709	902	8.2	5.7	12.7	236	1.2
ISLE OF WIGHT	107	17	90	28.7	7.0	68.7	36	17	19	9.7	7.0	14.5	4	1.1
SOUTHAMPTON	70	12	58	35.0	11.7	59.8	22	9	13	11.0	8.7	13.4	2	1.0
CHESAPEAKE	684	225	459	26.4	13.2	52.1	188	92	96	7.3	5.4	10.9	26	1.0
FRANKLIN CITY	88	9	79	46.6	11.1	73.1	17	2	15	9.0	2.5	13.9	5	2.6
NORFOLK	2,227	549	1,678	40.0	19.3	61.7	560	189	371	10.1	6.7	13.6	70	1.3
PORTSMOUTH	956	182	774	44.8	18.1	68.4	219	68	151	10.3	6.8	13.3	37	1.7
SUFFOLK	390	49	341	45.8	12.4	74.5	90	26	64	10.6	6.6	14.0	15	1.8
VIRGINIA BEACH	1,339	749	590	17.5	12.3	37.1	479	306	173	6.3	5.0	10.9	77	1.0
DISTRICT 21	2,185	596	1,589	30.5	13.7	56.3	561	255	306	7.8	5.9	10.8	227	3.2
JAMES CITY COUNTY	117	43	74	23.7	11.3	65.5	33	18	15	6.7	4.7	13.3	13	2.6
YORK	88	36	52	20.0	10.2	59.8	16	12	4	3.6	3.4	4.6	9	2.1
HAMPTON	751	213	538	31.3	15.6	52.2	209	86	123	8.7	6.3	11.9	121	5.0
NEWPORT NEWS	1,146	264	882	32.3	13.1	57.6	273	121	152	7.7	6.0	9.9	78	2.2
POQUOSON	22	22		17.6	17.9	0.0	7	7		5.6	5.7	0.0	2	1.6
WILLIAMSBURG	61	18	43	36.7	16.8	72.9	23	11	12	13.9	10.3	20.3	4	2.4
DISTRICT 22	356	66	290	53.1	21.7	79.0	58	13	45	8.6	4.3	12.3	16	2.4
ACCOMACK	250	46	204	53.4	21.5	80.3	45	11	34	9.6	5.1	13.4	14	3.0
NORTHAMPTON	106	20	86	52.2	22.2	76.1	13	2	11	6.4	2.2	9.7	2	1.0

TABLE 9
RESIDENT LIVE BIRTHS BY AGE OF MOTHER BY RACE
BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE
VIRGINIA, 1990

PLANNING DISTRICT CITY / COUNTY	RACE	TOTAL	AGE OF MOTHER							
			< 15	15-19	20-24	25-29	30-34	35-39	40-44	45 Up	Unk
STATE OF VIRGINIA	Total	98,752	280	11,264	25,528	30,668	21,735	8,000	1,217	30	30
	White	71,776	77	6,467	17,227	23,290	17,305	6,406	961	23	20
	Nonwhite	26,976	203	4,797	8,301	7,378	4,430	1,594	256	7	10
DISTRICT 1	Total	1,204	4	254	448	283	149	54	11	1	
	White	1,178	4	246	441	277	147	52	10	1	
	Nonwhite	26		8	7	6	2	2	1		
LEE	Total	292	1	59	103	74	36	16	3		
	White	290	1	58	103	74	36	15	3		
	Nonwhite	2		1				1			
SCOTT	Total	250		40	88	71	37	12	2		
	White	247		40	87	70	36	12	2		
	Nonwhite	3			1	1	1				
WISE	Total	585	1	135	128	125	66	23	6	1	
	White	570	1	128	225	122	65	23	5	1	
	Nonwhite	15		7	3	3	1		1		
NORTON	Total	77	2	20	29	13	10	3			
	White	71	2	20	26	11	10	2			
	Nonwhite	6			3	2		1			
DISTRICT 2	Total	1,419	2	292	463	398	195	57	11		1
	White	1,396	2	286	457	391	191	57	11		1
	Nonwhite	23		6	6	7	4				
BUCHANAN	Total	367		78	128	97	50	12	2		
	White	365		77	128	96	50	12	2		
	Nonwhite	2		1		1					
DICKENSON	Total	185		44	69	44	16	10	2		
	White	185		44	69	44	16	10	2		
	Nonwhite										
RUSSELL	Total	317	1	50	104	97	49	13	3		
	White	314	1	49	103	96	49	13	3		
	Nonwhite	3		1	1	1					
TAZEWELL	Total	550	1	120	162	160	80	22	4		1
	White	532	1	116	157	155	76	22	4		1
	Nonwhite	18		4	5	5	4				
DISTRICT 3	Total	2,069	7	371	663	586	318	101	19		4
	White	2,019	7	359	652	570	312	98	18		3
	Nonwhite	50		12	11	16	6	3	1		1
BLAND	Total	59		8	21	20	7	2	1		
	White	59		8	21	20	7	2	1		
	Nonwhite										
CARROLL	Total	313	2	68	103	91	42	8	6		1
	White	312	2	60	103	91	41	8	7		1
	Nonwhite	1					1				
GRAYSON	Total	172	1	28	48	53	30	11	1		
	White	167	1	26	47	53	29	10	1		
	Nonwhite	5		2	1		1	1			
SMYTH	Total	416		84	164	104	54	10			
	White	411		84	162	103	52	10			
	Nonwhite	5			2	1	2				
WASHINGTON	Total	527	3	92	137	158	90	37	9		1
	White	518	3	91	136	153	89	36	9		1
	Nonwhite	9		1	1	5	1	1			
WYTHE	Total	278		50	92	73	45	16	1		1
	White	270		50	90	70	44	15	1		
	Nonwhite	8			2	3	1	1			1
BRISTOL	Total	213	1	28	61	73	37	14			1
	White	200	1	21	59	67	37	14			1
	Nonwhite	13		5	2	6					
GALAX	Total	91		23	37	14	13	3	1		
	White	82		19	34	13	13	3			
	Nonwhite	9		4	3	1			1		
DISTRICT 4	Total	1,786	6	252	519	554	322	119	14		
	White	1,628	6	223	481	511	281	112	14		
	Nonwhite	158		29	38	43	41	7			
FLOYD	Total	132		17	34	44	29	6	2		
	White	129		16	34	43	28	6	2		
	Nonwhite	3		1		1	1				
GILES	Total	193	2	17	64	62	34	11	3		
	White	189	2	17	62	61	33	11	3		
	Nonwhite	4			2	1	1				
MONTGOMERY	Total	894	3	103	242	279	189	73	5		
	White	792	3	91	224	248	155	66	5		
	Nonwhite	102		12	18	31	34	7			
PULASKI	Total	426	1	95	140	119	48	19	4		
	White	390	1	80	127	113	46	19	4		
	Nonwhite	36		15	13	6	2				
RADFORD	Total	141		20	39	50	22	10			
	White	128		19	34	46	19	10			
	Nonwhite	13		1	5	4	3				

[continued]

TABLE 9
RESIDENT LIVE BIRTHS BY AGE OF MOTHER BY RACE
BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE
VIRGINIA, 1990

PLANNING DISTRICT CITY / COUNTY	RACE	TOTAL	AGE OF MOTHER							
			< 15	15-19	20-24	25-29	30-34	35-39	40-44	45 Up	Unk
STATE OF VIRGINIA	Total	98,752	280	11,264	25,528	30,668	21,735	8,000	1,217	30	30
	White	71,776	77	6,467	17,227	23,290	17,305	6,406	961	23	20
	Nonwhite	26,976	203	4,797	8,301	7,378	4,430	1,594	256	7	10
DISTRICT 5	Total	3,387	11	471	913	1,026	698	232	34	1	1
	White	2,792	2	317	704	899	630	207	31	1	1
	Nonwhite	595	9	154	209	127	68	25	3		
ALLEGHANY	Total	156	1	23	50	41	30	9	2		
	White	148	1	21	48	38	29	9	2		
	Nonwhite	8		2	2	3	1				
BOTETOURT	Total	258		21	66	89	55	23	4		
	White	250		21	63	86	53	23	4		
	Nonwhite	8			3	3	2				
CRAIG	Total	62		10	12	26	10	4			
	White	62		10	12	26	10	4			
	Nonwhite	0									
ROANOKE	Total	731	1	48	134	256	223	61	7	1	
	White	708	1	44	130	253	214	58	7	1	
	Nonwhite	23		4	4	3	9	3			
CLIFTON FORGE	Total	41		11	11	11	7	1			
	White	31		8	9	8	5	1			
	Nonwhite	10		3	2	3	2				
COVINGTON	Total	80		17	28	20	10	2	3		
	White	71		15	23	19	9	2	3		
	Nonwhite	9		2	5	1	1				
ROANOKE CITY	Total	1,761	9	307	536	483	303	106	16		1
	White	1,229		164	346	370	250	85	13		1
	Nonwhite	532	9	143	190	113	53	21	3		
SALEM	Total	298		34	76	100	60	26	2		
	White	293		34	73	99	60	25	2		
	Nonwhite	5			3	1		1			
DISTRICT 6	Total	2,862	5	377	766	883	606	202	20	3	
	White	2,688	4	347	705	847	572	192	18	3	
	Nonwhite	174	1	30	61	36	34	10	2		
AUGUSTA	Total	695		86	198	222	139	44	4	2	
	White	670		85	187	217	134	42	3	2	
	Nonwhite	25		1	11	5	5	2	1		
BATH	Total	50		9	15	15	8	3			
	White	48		9	14	14	8	3			
	Nonwhite	2			1	1					
HIGHLAND	Total	28		2	5	11	5	5			
	White	28		2	5	11	5	5			
	Nonwhite										
ROCKBRIDGE	Total	200		23	50	62	47	17	1		
	White	192		21	50	60	44	16	1		
	Nonwhite	8		2		2	3	1			
ROCKINGHAM	Total	777	3	107	188	244	178	49	8		
	White	767	2	104	186	242	177	48	8		
	Nonwhite	10	1	3	2	2	1	1			
BUENA VISTA	Total	86		15	31	19	13	7		1	
	White	81		15	29	18	12	6		1	
	Nonwhite	5			2	1	1	1			
HARRISONBURG	Total	363		47	98	114	71	30	3		
	White	332		39	89	106	66	29	3		
	Nonwhite	31		8	9	8	5	1			
LEXINGTON	Total	70	1	7	19	20	13	9	1		
	White	62	1	5	17	20	11	7	1		
	Nonwhite	8		2	2		2	2			
STAUNTON	Total	325	1	45	85	92	76	23	3		
	White	269	1	36	62	83	64	21	2		
	Nonwhite	56		9	23	9	12	2	1		
WAYNESBORO	Total	268		36	77	84	56	15			
	White	239		31	66	76	51	15			
	Nonwhite	29		5	11	8	5				
DISTRICT 7	Total	2,389	8	316	719	741	435	154	14	1	1
	White	2,262	8	291	679	706	416	147	13	1	1
	Nonwhite	127		25	40	35	19	7	1		
CLARKE	Total	161		18	40	57	27	19			
	White	148		15	38	50	26	19			
	Nonwhite	13		3	2	7	1				
FREDERICK	Total	675	3	64	181	242	136	45	3		1
	White	659	3	61	176	237	134	44	3		1
	Nonwhite	16		3	5	5	2	1			
PAGE	Total	247	1	48	79	65	40	13	1		
	White	240	1	44	78	63	40	13	1		
	Nonwhite	7		4	1	2					
SHENANDOAH	Total	431	2	69	144	120	68	24	4		
	White	422	2	68	139	119	67	23	4		
	Nonwhite	9		1	5	1	1	1			

[continued]

TABLE 9
RESIDENT LIVE BIRTHS BY AGE OF MOTHER BY RACE
BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE
VIRGINIA, 1990

PLANNING DISTRICT CITY / COUNTY	RACE	TOTAL	AGE OF MOTHER								
			< 15	15-19	20-24	25-29	30-34	35-39	40-44	45 Up	Unk
STATE OF VIRGINIA	Total	98,752	280	11,264	25,528	30,668	21,735	8,000	1,217	30	30
	White	71,776	77	6,467	17,227	23,290	17,305	6,406	961	23	20
	Nonwhite	26,976	203	4,797	8,301	7,378	4,430	1,594	256	7	10
WARREN	Total	432	1	55	131	131	87	23	4		
	White	403	1	51	122	123	82	21	3		
	Nonwhite	29		4	9	8	5	2	1		
WINCHESTER	Total	443	1	62	144	126	77	30	2	1	
	White	390	1	52	126	114	67	27	2	1	
	Nonwhite	53		10	18	12	10	3			
DISTRICT 8	Total	24,322	20	1,367	4,347	7,813	7,053	3,151	550	7	14
	White	19,322	10	932	3,232	6,226	5,841	2,613	454	6	8
	Nonwhite	5,000	10	435	1,115	1,587	1,212	538	96	1	6
ARLINGTON	Total	2,639	2	147	483	724	770	433	74	2	4
	White	1,951	1	82	343	509	609	343	60	2	2
	Nonwhite	688	1	65	140	215	161	90	14		2
FAIRFAX	Total	12,617	8	557	1,815	3,937	4,073	1,875	339	3	10
	White	10,053	3	395	1,334	3,122	3,347	1,562	282	2	6
	Nonwhite	2,564	5	162	481	815	726	313	57	1	4
LOUDOUN	Total	1,657	1	80	263	597	502	190	23	1	
	White	1,504	1	70	217	557	462	174	22	1	
	Nonwhite	153		10	46	40	40	16	1		
PRINCE WILLIAM	Total	4,400	3	345	1,069	1,585	1,030	315	53		
	White	3,651	1	267	865	1,332	889	255	42		
	Nonwhite	749	2	78	204	253	141	60	11		
ALEXANDRIA	Total	1,949	5	159	449	601	444	248	43		
	White	1,247	4	60	249	380	323	199	32		
	Nonwhite	702	1	99	200	221	121	49	11		
FAIRFAX CITY	Total	255		9	62	80	76	21	6	1	
	White	211		6	48	65	67	19	5	1	
	Nonwhite	44		3	14	15	9	2	1		
FALLS CHURCH	Total	100		6	12	21	27	28	6		
	White	89		4	9	20	25	25	6		
	Nonwhite	11		2	3	1	2	3			
MANASSAS	Total	569		52	151	218	108	36	4		
	White	489		37	127	193	98	31	3		
	Nonwhite	80		15	24	25	10	5	1		
MANASSAS PARK	Total	136	1	12	43	50	23	5	2		
	White	127		11	40	48	21	5	2		
	Nonwhite	9	1	1	3	2	2				
DISTRICT 9	Total	1,791	5	194	447	544	439	135	27		
	White	1,519	4	141	352	477	396	127	22		
	Nonwhite	272	1	53	95	67	43	8	5		
CULPEPER	Total	489	2	59	134	154	107	27	6		
	White	380	1	43	94	124	90	24	4		
	Nonwhite	109	1	16	40	30	17	3	2		
FAUQUIER	Total	757	1	62	158	238	217	63	18		
	White	677	1	44	134	218	204	60	16		
	Nonwhite	80		18	24	20	13	3	2		
MADISON	Total	164		20	53	47	29	15			
	White	133		15	40	42	23	13			
	Nonwhite	31		5	13	5	6	2			
ORANGE	Total	307	2	46	79	91	67	20	2		
	White	255	2	32	61	79	60	20	1		
	Nonwhite	52		14	18	12	7		1		
RAPPAHANNOCK	Total	74		7	23	14	19	10	1		
	White	74		7	23	14	19	10	1		
	Nonwhite										
DISTRICT 10	Total	2,384	4	269	522	759	555	231	41	3	
	White	1,866	1	173	371	612	474	197	36	2	
	Nonwhite	518	3	96	151	147	81	34	5	1	
ALBEMARLE	Total	920	1	62	166	286	262	120	21	2	
	White	788	1	49	129	248	234	107	19	1	
	Nonwhite	132		13	37	38	28	13	2	1	
FLUVANNA	Total	227		33	55	83	42	12	2		
	White	165		15	40	66	32	10	2		
	Nonwhite	62		18	15	17	10	2			
GREENE	Total	176		20	45	65	27	13	6		
	White	163		18	42	63	24	11	5		
	Nonwhite	13		2	3	2	3	2	1		
LOUISA	Total	309	1	50	76	101	56	20	4	1	
	White	230		38	56	77	43	11	4	1	
	Nonwhite	79	1	12	20	24	13	9			
NELSON	Total	160		19	40	55	30	12	4		
	White	130		13	27	46	29	11	4		
	Nonwhite	30		6	13	9	1	1			
CHARLOTTESVILLE	Total	592	2	85	140	169	138	54	4		
	White	390		40	77	112	112	47	2		
	Nonwhite	202	2	45	63	57	26	7	2		

[continued]

TABLE 9
RESIDENT LIVE BIRTHS BY AGE OF MOTHER BY RACE
BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE
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PLANNING DISTRICT CITY / COUNTY	RACE	TOTAL	AGE OF MOTHER							
			< 15	15-19	20-24	25-29	30-34	35-39	40-44	45 Up	Unk
STATE OF VIRGINIA	Total	98,752	280	11,264	25,528	30,668	21,735	8,000	1,217	30	30
	White	71,776	77	6,467	17,227	23,290	17,305	6,406	961	23	20
	Nonwhite	26,976	203	4,797	8,301	7,378	4,430	1,594	256	7	10
DISTRICT 11	Total	2,930	10	404	801	930	598	168	17	2	
	White	2,189	2	236	545	764	489	137	14	2	
	Nonwhite	741	8	168	256	166	109	31	3		
AMHERST	Total	387	1	56	103	127	67	26	7		
	White	293		34	76	103	55	20	5		
	Nonwhite	94	1	22	27	24	12	6	2		
APPOMATTOX	Total	156		32	42	48	26	8			
	White	104		16	24	39	18	7			
	Nonwhite	52		16	18	9	8	1			
BEDFORD	Total	599	1	61	145	216	141	34	1		
	White	549	1	53	129	201	133	31	1		
	Nonwhite	50		8	16	15	8	3			
CAMPBELL	Total	654	1	87	197	218	118	30	2	1	
	White	532		57	161	190	96	25	2	1	
	Nonwhite	122	1	30	36	28	22	5			
BEDFORD CITY	Total	84		13	27	27	12	5			
	White	58		8	14	20	11	5			
	Nonwhite	26		5	13	7	1				
LYNCHBURG	Total	1,050	7	155	287	294	234	65	7	1	
	White	653	1	68	141	211	176	49	6	1	
	Nonwhite	397	6	87	146	83	58	16	1		
DISTRICT 12	Total	3,211	13	521	1,011	957	520	162	25		2
	White	2,091	4	282	620	664	387	113	20		1
	Nonwhite	1,120	9	239	391	293	133	49	5		1
FRANKLIN	Total	497	1	62	144	169	84	32	5		
	White	430		48	121	147	78	31	5		
	Nonwhite	67	1	14	23	22	6	1			
HENRY	Total	811	2	148	294	221	106	28	11		1
	White	571	1	98	201	164	80	18	9		
	Nonwhite	240	1	50	93	57	26	10	2		1
PATRICK	Total	189	3	43	55	53	24	10			1
	White	168	3	34	49	49	23	9			1
	Nonwhite	21		9	6	4	1	1			
PITTSYLVANIA	Total	576	1	89	167	184	101	30	4		
	White	366		43	101	131	73	16	2		
	Nonwhite	210	1	46	66	53	28	14	2		
DANVILLE	Total	923	5	150	283	268	168	46	3		
	White	443		44	121	142	107	27	2		
	Nonwhite	480	5	106	162	126	61	19	1		
MARTINSVILLE	Total	215	1	29	68	62	37	16	2		
	White	113		15	27	31	26	12	2		
	Nonwhite	102	1	14	41	31	11	4			
DISTRICT 13	Total	1,062	3	172	332	303	178	64	10		
	White	516		55	154	167	103	32	5		
	Nonwhite	546	3	117	178	136	75	32	5		
BRUNSWICK	Total	202		32	66	50	35	17	2		
	White	67		3	19	18	18	8	1		
	Nonwhite	135		29	47	32	17	9	1		
HALIFAX	Total	363		56	114	102	58	30	3		
	White	199		25	62	62	31	17	2		
	Nonwhite	164		31	52	40	27	13	1		
MECKLENBURG	Total	379	2	63	117	121	61	11	4		
	White	197		19	59	75	38	5	1		
	Nonwhite	182	2	44	58	46	23	6	3		
SOUTH BOSTON	Total	118	1	21	35	30	24	6	1		
	White	53		8	14	12	16	2	1		
	Nonwhite	65	1	13	21	18	8	4			
DISTRICT 14	Total	1,211	4	200	370	337	211	78	11		
	White	612		78	166	191	122	46	9		
	Nonwhite	599	4	122	204	146	89	32	2		
AMELIA	Total	148	1	20	41	37	38	8	3		
	White	94		8	28	30	20	5	3		
	Nonwhite	54	1	12	13	7	18	3			
BUCKINGHAM	Total	196		31	69	51	29	14	2		
	White	77		8	26	21	12	8	2		
	Nonwhite	119		23	43	30	17	6			
CHARLOTTE	Total	192		35	67	51	26	12	1		
	White	107		16	37	34	12	7	1		
	Nonwhite	85		19	30	17	14	5			
CUMBERLAND	Total	124		21	32	43	23	5			
	White	63		7	12	26	15	3			
	Nonwhite	61		14	20	17	8	2			
LUNENBURG	Total	132		13	43	37	28	10	1		
	White	73		8	20	14	23	8			
	Nonwhite	59		5	23	23	5	2	1		

[continued]

TABLE 9
RESIDENT LIVE BIRTHS BY AGE OF MOTHER BY RACE
BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE
VIRGINIA, 1990

PLANNING DISTRICT CITY / COUNTY	RACE	TOTAL	AGE OF MOTHER							
			< 15	15-19	20-24	25-29	30-34	35-39	40-44	45 Up	Unk
STATE OF VIRGINIA	Total	98,752	280	11,264	25,528	30,668	21,735	8,000	1,217	30	30
	White	71,776	77	6,467	17,227	23,290	17,305	6,406	961	23	20
	Nonwhite	26,976	203	4,797	8,301	7,378	4,430	1,594	256	7	10
NOTTOWAY	Total	200	1	36	65	54	32	12			
	White	109		19	33	32	20	5			
	Nonwhite	91	1	17	32	22	12	7			
PRINCE EDWARD	Total	219	2	44	53	64	35	17	4		
	White	89		12	10	34	20	10	3		
	Nonwhite	130	2	32	43	30	15	7	1		
DISTRICT 15	Total	12,105	42	1,243	2,718	3,866	2,973	1,108	148	5	2
	White	7,733	2	465	1,411	2,646	2,244	847	113	3	2
	Nonwhite	4,372	40	778	1,307	1,220	729	261	35	2	
CHARLES CITY COUNTY	Total	80		10	22	27	15	6			
	White	33		2	9	11	8	3			
	Nonwhite	47		8	13	16	7	3			
CHESTERFIELD	Total	3,440	3	230	638	1,186	992	345	44	2	
	White	2,873	1	175	506	1,012	851	291	35	2	
	Nonwhite	567	2	55	132	174	141	54	9		
GOOCHLAND	Total	190		14	33	62	59	17	5		
	White	131		2	17	44	49	15	4		
	Nonwhite	59		12	16	18	10	2	1		
HANOVER	Total	956	1	66	164	350	275	86	14		
	White	851		50	143	306	256	82	14		
	Nonwhite	105	1	16	21	44	19	4			
HENRICO	Total	3,386	5	238	728	1,130	888	353	43		1
	White	2,475		126	467	848	701	296	36		1
	Nonwhite	911	5	112	261	282	187	57	7		
NEW KENT	Total	163		20	36	51	42	13	1		
	White	130		14	27	41	36	11	1		
	Nonwhite	33		6	9	10	6	2			
POWHATAN	Total	204		24	49	86	35	9	1		
	White	177		21	38	75	35	7	1		
	Nonwhite	27		3	11	11		2			
RICHMOND CITY	Total	3,686	33	641	1,048	974	667	279	40	3	1
	White	1,063	1	75	204	309	308	142	22	1	1
	Nonwhite	2,623	32	566	844	665	359	137	18	2	
DISTRICT 16	Total	3,033	13	345	836	992	614	201	29	3	
	White	2,509	7	249	668	857	543	160	22	3	
	Nonwhite	524	6	96	168	135	71	41	7		
CAROLINE	Total	321	1	56	101	97	42	21	2	1	
	White	155	1	25	53	69	33	12	1	1	
	Nonwhite	126		31	48	28	9	9	1		
KING GEORGE	Total	225	2	31	63	74	38	15	1	1	
	White	173		19	49	62	30	12		1	
	Nonwhite	52	2	12	14	12	8	3	1		
SPOTSYLVANIA	Total	892	2	77	204	304	218	73	14		
	White	783	2	60	175	271	205	60	10		
	Nonwhite	109		17	29	33	13	13	4		
STAFFORD	Total	1,006	3	88	267	352	228	62	6		
	White	912	2	75	239	332	204	54	6		
	Nonwhite	94	1	13	28	20	24	8			
FREDERICKSBURG	Total	589	5	93	201	165	88	30	6	1	
	White	446	2	70	152	123	71	22	5	1	
	Nonwhite	143	3	23	49	42	17	8	1		
DISTRICT 17	Total	580	3	89	189	151	108	33	7		
	White	342		33	100	102	81	21	5		
	Nonwhite	238	3	56	89	49	27	12	2		
LANCASTER	Total	143	3	23	49	36	23	8	1		
	White	78		8	23	25	16	5	1		
	Nonwhite	65	3	15	26	11	7	3			
NORTHUMBERLAND	Total	112		14	32	36	23	7			
	White	68		4	19	21	19	5			
	Nonwhite	44		10	13	15	4	2			
RICHMOND	Total	79		11	26	19	18	4	1		
	White	48		6	12	12	14	3	1		
	Nonwhite	31		5	14	7	4	1			
WESTMORELAND	Total	246		41	82	60	44	14	5		
	White	148		15	46	44	32	8	3		
	Nonwhite	98		26	36	16	12	6	2		
DISTRICT 18	Total	1,039	3	119	291	341	204	75	6		
	White	784		76	212	264	165	61	6		
	Nonwhite	255	3	43	79	77	39	14			
ESSEX	Total	135		23	32	41	28	10	1		
	White	67		9	9	25	18	5	1		
	Nonwhite	68		14	23	16	10	5			
GLOUCESTER	Total	478		44	132	170	97	32	3		
	White	423		37	119	147	89	28	3		
	Nonwhite	55		7	13	23	8	4			

[continued]

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RESIDENT LIVE BIRTHS BY AGE OF MOTHER BY RACE
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			< 15	15-19	20-24	25-29	30-34	35-39	40-44	45 Up	Unk
STATE OF VIRGINIA	Total	98,752	280	11,264	25,528	30,668	21,735	8,000	1,217	30	30
	White	71,776	77	6,467	17,227	23,290	17,305	6,406	961	23	20
	Nonwhite	26,976	203	4,797	8,301	7,378	4,430	1,594	256	7	10
KING AND QUEEN	Total	92	1	15	27	25	16	8			
	White	52		7	17	13	8	7			
	Nonwhite	40	1	8	10	12	8	1			
KING WILLIAM	Total	176		17	59	53	32	15			
	White	123		9	41	37	25	11			
	Nonwhite	53		8	18	16	7	4			
MATHEWS	Total	74		11	20	25	11	6	1		
	White	61		8	16	20	10	6	1		
	Nonwhite	13		3	4	5	1				
MIDDLESEX	Total	84	2	9	21	27	20	4	1		
	White	58		6	10	22	15	4	1		
	Nonwhite	26	2	3	11	5	5				
DISTRICT 19	Total	2,565	11	420	861	750	393	116	13		1
	White	1,235	1	145	410	399	205	67	7		1
	Nonwhite	1,330	10	275	451	351	188	49	6		
DINWIDDIE	Total	270		34	99	82	44	10	1		
	White	171		19	58	56	30	7	1		
	Nonwhite	99		15	41	26	14	3			
GREENSVILLE	Total	129	1	25	41	34	17	10	1		
	White	47		4	15	13	8	7			
	Nonwhite	82	1	21	26	21	9	3	1		
PRINCE GEORGE	Total	424		43	143	144	74	19	1		
	White	280		23	100	96	48	12	1		
	Nonwhite	144		20	43	48	26	7			
SURRY	Total	91		12	27	26	21	5			
	White	41		2	13	14	9	3			
	Nonwhite	50		10	14	12	12	2			
SUSSEX	Total	157	1	31	55	35	25	10			
	White	53		6	18	15	9	5			
	Nonwhite	104	1	25	37	20	16	5			
COLONIAL HEIGHTS	Total	188		24	57	63	32	12			
	White	168		21	50	56	29	12			
	Nonwhite	20		3	7	7	3				
EMPORIA	Total	116	2	24	38	29	13	7	3		
	White	40	1	5	9	13	8	2	2		
	Nonwhite	76	1	19	29	16	5	5	1		
HOPEWELL	Total	426	1	78	146	127	59	12	3		
	White	290		44	100	97	38	10	1		
	Nonwhite	136	1	34	46	30	21	2	2		
PETERSBURG	Total	764	6	149	255	210	108	31	4		1
	White	145		21	47	39	26	9	2		1
	Nonwhite	619	6	128	208	171	82	22	2		
DISTRICT 20	Total	19,560	75	2,566	5,984	5,994	3,674	1,102	159	2	4
	White	12,441	6	1,113	3,619	4,124	2,674	804	98	1	2
	Nonwhite	7,119	69	1,453	2,365	1,870	1,000	298	61	1	2
ISLE OF WIGHT	Total	373	2	40	94	123	87	26	1		
	White	242		14	51	88	71	17	1		
	Nonwhite	131	2	26	43	35	16	9			
SOUTHAMPTON	Total	200	1	31	44	77	39	8			
	White	103		10	15	50	23	5			
	Nonwhite	97	1	21	29	27	16	3			
CHESAPEAKE	Total	2,592	4	290	640	899	581	156	22		
	White	1,711		147	373	636	429	112	14		
	Nonwhite	881	4	143	267	263	152	44	8		
FRANKLIN CITY	Total	189	1	33	60	48	38	8	1		
	White	81		3	25	23	24	6			
	Nonwhite	108	1	30	35	25	14	2	1		
NORFOLK	Total	6,561	32	915	2,019	1,435	847	263	48	1	1
	White	2,841	4	321	1,050	777	500	161	27		1
	Nonwhite	2,720	28	594	969	658	347	102	21	1	
PORTSMOUTH	Total	2,136	21	436	715	569	299	85	10		1
	White	1,004		126	328	310	176	58	5		1
	Nonwhite	1,132	21	310	387	259	123	27	5		
SUFFOLK	Total	852	6	150	259	226	150	52	6	1	2
	White	394		33	96	127	99	35	3	1	
	Nonwhite	458	6	117	163	99	51	17	3		2
VIRGINIA BEACH	Total	7,657	8	671	2,153	2,617	1,633	504	71		
	White	6,065	2	459	1,681	2,113	1,352	410	48		
	Nonwhite	1,592	6	212	472	504	281	94	23		
DISTRICT 21	Total	7,172	27	878	2,115	2,277	1,402	423	50		
	White	4,350	7	377	1,167	1,501	972	292	34		
	Nonwhite	2,822	20	501	948	776	430	131	16		
JAMES CITY COUNTY	Total	493	2	50	107	150	122	55	7		
	White	380		28	68	124	107	47	6		
	Nonwhite	113	2	22	39	26	15	8	1		

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BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE
VIRGINIA, 1990

PLANNING DISTRICT CITY / COUNTY	RACE	TOTAL	AGE OF MOTHER								
			< 15	15-19	20-24	25-29	30-34	35-39	40-44	45 Up	Unk
STATE OF VIRGINIA	Total	98,752	280	11,264	25,528	30,668	21,735	8,000	1,217	30	30
	White	71,776	77	6,467	17,227	23,290	17,305	6,406	961	23	20
	Nonwhite	26,976	203	4,797	8,301	7,378	4,430	1,594	256	7	10
YORK	Total	439	1	26	96	135	127	50	4		
	White	352		16	66	117	104	45	4		
	Nonwhite	87	1	10	30	18	23	5			
HAMPTON	Total	2,400	7	286	678	791	484	142	12		
	White	1,369	3	129	361	491	294	83	8		
	Nonwhite	1,031	4	157	317	300	190	59	4		
NEWPORT NEWS	Total	3,549	17	481	1,158	1,105	609	156	23		
	White	2,019	4	179	618	694	412	100	12		
	Nonwhite	1,530	13	302	540	411	197	56	11		
POQUOSON	Total	125		16	27	39	30	10	3		
	White	123		16	26	39	29	10	3		
	Nonwhite	2			1		1				
WILLIAMSBURG	Total	166		19	49	57	30	10	1		
	White	107		9	28	36	26	7	1		
	Nonwhite	59		10	21	21	4	3			
DISTRICT 22	Total	671	4	144	213	183	90	34	1	2	
	White	304		43	81	95	60	24	1		
	Nonwhite	367	4	101	132	88	30	10		2	
ACCOMACK	Total	468	2	103	154	130	58	20		1	
	White	214		30	63	67	41	13			
	Nonwhite	254	2	73	91	63	17	7		1	
NORTHAMPTON	Total	203	2	41	59	53	32	14	1	1	
	White	90		13	18	28	19	11	1		
	Nonwhite	113	2	28	41	25	13	3		1	

TABLE 10
RESIDENT LIVE BIRTHS BY BIRTH ORDER BY BIRTH WEIGHT
VIRGINIA, 1990

BIRTH WEIGHT (In Grams)	TOTAL	BIRTH ORDER										
		1	2	3	4	5	6	7	8	9	10 Up	Unk
TOTAL	98,752	43,645	32,966	14,559	4,884	1,503	519	211	73	30	29	333
LOW WEIGHT	7,241	3,341	2,079	1,089	449	162	55	17	10	4	3	32
Under 501 Grams	228	105	62	42	10	6						3
501-1500 Grams	1,205	544	353	183	76	33	7		1			8
1501-2500 Grams	5,808	2,692	1,664	864	363	123	48	17	9	4	3	21
FULL WEIGHT	91,425	40,275	30,857	13,464	4,430	1,339	463	194	63	26	26	288
2501-3500 Grams	51,398	23,816	16,495	7,303	2,431	749	279	100	37	13	16	159
3501-4500 Grams	38,223	15,850	13,677	5,830	1,880	559	170	85	26	12	9	125
Over 4500 Grams	1,804	609	685	331	119	31	14	9		1	1	4
WEIGHT UNKNOWN	86	29	30	6	5	2	1					13

TABLE 11
RESIDENT LIVE BIRTHS BY BIRTH WEIGHT BY RACE AND AGE OF MOTHER
VIRGINIA, 1990

AGE OF MOTHER	TOTAL	BIRTH WEIGHT (In Grams)												
		500 or Less	501 to 1,000	1,001 to 1,500	1,501 to 2,000	2,001 to 2,500	Total Low Weight	2,501 to 3,000	3,001 to 3,500	3,501 to 4,000	4,001 to 4,500	4,501 to 5,000	5,001 or More	Total Full Weight	Unknown
TOTAL	98,752	228	558	647	1,361	4,447	7,241	15,966	35,432	28,985	9,238	1,590	214	91,425	86
< 15	280	1	6	4	4	21	36	75	105	53	10		1	244	
15-19	11,264	24	87	119	213	731	1,174	2,311	4,291	2,723	646	98	11	10,080	10
20-24	25,528	75	141	178	355	1,245	1,994	4,537	9,510	7,037	2,040	328	57	23,509	25
25-29	30,668	57	138	155	379	1,238	1,967	4,701	10,839	9,506	3,054	506	72	28,678	23
30-34	21,735	47	127	146	274	839	1,433	3,008	7,534	6,816	2,437	440	51	20,286	16
35-39	8,000	20	48	42	118	332	560	1,144	2,720	2,449	912	187	19	7,431	9
40-44	1,217	3	11	3	17	40	74	176	413	390	130	29	3	1,141	2
45 Up	30							10	10	5	4	1		30	
Unknown	30	1			1	1	3	4	10	6	5	1		26	1
WHITE	71,776	87	264	359	789	2,577	4,076	9,749	25,146	23,230	7,927	1,398	189	67,639	61
< 15	77		1	1		4	6	14	32	22	3			71	
15-19	6,467	6	28	52	97	316	499	1,094	2,430	1,859	487	81	11	5,962	6
20-24	17,227	30	64	93	184	659	1,030	2,554	6,285	5,328	1,689	274	52	16,182	15
25-29	23,290	19	66	91	238	759	1,173	3,037	8,065	7,827	2,664	446	60	22,099	18
30-34	17,305	19	77	97	179	576	948	2,106	5,838	5,791	2,158	402	50	16,345	12
35-39	6,406	9	25	23	81	235	373	800	2,170	2,069	807	167	13	6,026	7
40-44	961	3	3	2	9	27	44	133	312	330	110	27	3	915	2
45 Up	23						0	9	6	3	4	1		23	
Unknown	20	1			1	1	3	2	8	1	5			16	1
NONWHITE	26,976	141	294	288	572	1,870	3,165	6,217	10,286	5,755	1,311	192	25	23,786	25
< 15	203	1	5	3	4	17	30	61	73	31	7		1	173	
15-19	4,797	18	59	67	116	415	675	1,217	1,861	864	159	17		4,118	4
20-24	8,301	45	77	85	171	586	964	1,983	3,225	1,709	351	54	5	7,327	10
25-29	7,378	38	72	64	141	479	794	1,664	2,774	1,679	390	60	12	6,579	5
30-34	4,430	28	50	49	95	263	485	902	1,696	1,025	279	38	1	3,941	4
35-39	1,594	11	23	19	37	97	187	344	550	380	105	20	6	1,405	2
40-44	256		8	1	8	13	30	43	101	60	20	2		226	
45 Up	7						0	1	4	2				7	
Unknown	10						0	2	2	5		1		10	

TABLE 12
RESIDENT LIVE BIRTHS BY LIVE BIRTH ORDER BY AGE AND BY RACE OF MOTHER VIRGINIA, 1990

AGE OF MOTHER	TOTAL BIRTHS	LIVE BIRTH ORDER										
		1	2	3	4	5	6	7	8	9	10+	Unk
TOTAL	98,752	43,645	32,966	14,559	4,884	1,503	519	211	73	30	29	333
< 15 years	280	272	7									1
15-19 years	11,264	8,590	2,179	375	86	7						27
20-24 years	25,528	13,082	8,165	3,079	842	214	50	9	3	1	2	81
25-29 years	30,668	12,894	11,031	4,589	1,480	386	130	44	5	2	2	105
30-34 years	21,735	6,544	8,484	4,405	1,453	498	165	65	23	10	7	81
35-39 years	8,000	1,976	2,748	1,816	853	326	135	64	27	13	13	29
40-44 years	1,217	269	340	286	165	66	36	27	15	4	5	4
> 44 years	30	4	6	6	3	6	3	2				
Unknown	30	14	6	3	2							5
WHITE - Total	71,776	32,722	24,359	10,030	3,091	852	289	125	43	18	14	233
< 15 years	77	76	1									
15-19 years	6,467	5,259	1,075	103	16							14
20-24 years	17,227	9,595	5,449	1,705	339	63	11	3	1	1	2	58
25-29 years	23,290	10,417	8,444	3,177	929	182	53	18	1	1		68
30-34 years	17,305	5,477	6,883	3,375	1,030	328	94	32	17	6	2	61
35-39 years	6,406	1,663	2,222	1,431	661	225	100	52	16	7	5	24
40-44 years	961	220	279	232	112	51	28	19	8	3	5	4
> 44 years	23	4	4	5	3	3	3	1				
Unknown	20	11	2	2	1							4
NONWHITE - Total	26,976	10,923	8,607	4,529	1,793	651	230	86	30	12	15	100
< 15 years	203	196	6									1
15-19 years	4,797	3,331	1,104	272	70	7						13
20-24 years	8,301	3,487	2,716	1,374	503	151	39	6	2			23
25-29 years	7,378	2,477	2,587	1,412	551	204	77	26	4	1	2	37
30-34 years	4,430	1,067	1,601	1,030	423	170	71	33	6	4	5	20
35-39 years	1,594	313	526	385	192	101	35	12	11	6	8	5
40-44 years	256	49	61	54	53	15	8	8	7	1		
> 44 years	7		2	1		3		1				
Unknown	10	3	4	1	1							1

TABLE 13
PERCENT DISTRIBUTION OF RESIDENT LIVE BIRTHS BY LIVE BIRTH ORDER BY AGE AND BY RACE OF MOTHER VIRGINIA, 1990

AGE OF MOTHER	TOTAL BIRTHS	LIVE BIRTH ORDER										
		1	2	3	4	5	6	7	8	9	10+	Unk
TOTAL	98,752	44.2	33.4	14.7	4.9	1.5	0.5	0.2	0.1	*	*	0.3
< 15 years	280	97.1	2.5									0.4
15-19 years	11,264	76.3	19.3	3.3	0.8	0.1						0.2
20-24 years	25,528	51.2	32.0	12.1	3.3	0.8	0.2	*	*	*	*	0.3
25-29 years	30,668	42.0	36.0	15.0	4.8	1.3	0.4	0.1	*	*	*	0.3
30-34 years	21,735	30.1	39.0	20.3	6.7	2.3	0.8	0.3	0.1	*	*	0.4
35-39 years	8,000	24.7	34.4	22.7	10.7	4.1	1.7	0.8	0.3	0.2	0.2	0.4
40-44 years	1,217	22.1	27.9	23.5	13.6	5.4	3.0	2.2	1.2	0.3	0.4	0.3
> 44 years	30	13.3	20.0	20.0	10.0	20.0	10.0	6.7				
Unknown	30											
WHITE - Total	71,776	45.6	33.9	14.0	4.3	1.2	0.4	0.2	0.1	*	*	0.3
< 15 years	77	98.7	1.3									
15-19 years	6,467	81.3	16.6	1.6	0.2							0.2
20-24 years	17,227	55.7	31.6	9.9	2.0	0.4	0.1	*	*	*	*	0.3
25-29 years	23,290	44.7	36.3	13.6	4.0	0.8	0.2	0.1	*	*		0.3
30-34 years	17,305	31.6	39.8	19.5	6.0	1.9	0.5	0.2	0.1	*	*	0.4
35-39 years	6,406	26.0	34.7	22.3	10.3	3.5	1.6	0.8	0.2	0.1	0.1	0.4
40-44 years	961	22.9	29.0	24.1	11.7	5.3	2.9	2.0	0.8	0.3	0.5	0.4
> 44 years	23	17.4	17.4	21.7	13.0	13.0	13.0	4.3				0.0
Unknown	20											
NONWHITE - Total	26,976	40.5	31.9	16.8	6.6	2.4	0.9	0.3	0.1	*	0.1	0.4
< 15 years	203	96.6	3.0									0.5
15-19 years	4,797	69.4	23.0	5.7	1.5	0.1						0.3
20-24 years	8,301	42.0	32.7	16.6	6.1	1.8	0.5	0.1	*			0.3
25-29 years	7,378	33.6	35.1	19.1	7.5	2.8	1.0	0.4	0.1	*	*	0.5
30-34 years	4,430	24.1	36.1	23.3	9.5	3.8	1.6	0.7	0.1	0.1	0.1	0.5
35-39 years	1,594	19.6	33.0	24.2	12.0	6.3	2.2	0.8	0.7	0.4	0.5	0.3
40-44 years	256	19.1	23.8	21.1	20.7	5.9	3.1	3.1	2.7	0.4		
> 44 years	7		28.6	14.3		42.9		14.3				
Unknown	10											

* Less Than 0.05 Percent

TABLE 14
RESIDENT LIVE BIRTHS BY EDUCATION OF MOTHER BY BIRTH ORDER
VIRGINIA, 1990

BIRTH ORDER	TOTAL	HIGHEST GRADE COMPLETED						
		Elementary		High School		College		Unknown
		0-6	7-8	9-11	12	1-3	4 Up	
TOTAL	98,752	999	2,276	14,549	37,509	20,352	22,401	666
1	43,645	348	971	6,087	16,360	9,052	10,559	268
2	32,966	256	570	4,259	12,764	7,011	7,915	191
3	14,559	175	390	2,428	5,680	2,910	2,890	86
4	4,884	121	195	1,100	1,779	931	714	44
5	1,503	48	81	397	528	251	175	23
6	519	25	30	152	171	83	52	6
7	211	17	17	59	61	27	24	6
8	73	4	8	15	24	11	11	
9	30	1	3	7	10	7	2	
10 Up	29	2	5	10	4	2	4	2
Unknown	333	2	6	35	128	67	55	40

TABLE 15
RESIDENT LIVE BIRTHS BY EDUCATION OF MOTHER BY TRIMESTER CARE BEGAN
VIRGINIA, 1990

TRIMESTER CARE BEGAN	TOTAL	HIGHEST GRADE COMPLETED						
		Elementary		High School		College		Unknown
		0-6	7-8	9-11	12	1-3	4 Up	
TOTAL	98,752	999	2,276	14,549	37,509	20,352	22,401	666
First	78,467	457	1,316	8,874	29,150	17,442	20,855	373
Second	15,179	356	681	4,076	6,393	2,302	1,207	164
Third	3,057	125	165	938	1,218	367	206	38
None	1,439	52	86	539	530	142	51	39
Unknown	610	9	28	122	218	99	82	52

TABLE 16
RESIDENT LIVE BIRTHS BY BIRTH ORDER BY TRIMESTER CARE BEGAN
VIRGINIA, 1990

TRIMESTER CARE BEGAN	TOTAL	BIRTH ORDER										
		1	2	3	4	5	6	7	8	9	10 Up	Unknown
TOTAL	98,752	43,645	32,966	14,559	4,884	1,503	519	211	73	30	29	333
First	78,467	35,621	26,771	11,077	3,351	942	306	121	39	15	11	213
Second	15,179	6,275	4,662	2,556	1,065	356	124	55	24	5	9	48
Third	3,057	1,147	956	539	233	113	37	15	6	1	1	9
None	1,439	373	398	302	190	81	46	19	4	8	8	10
Unknown	610	229	179	85	45	11	6	1		1		53

TABLE 17
RESIDENT LIVE BIRTHS BY AGE OF MOTHER BY TRIMESTER CARE BEGAN
VIRGINIA, 1990

TRIMESTER CARE BEGAN	TOTAL	AGE OF MOTHER											
		< 15	15	16	17	18	19	20-24	25-29	30-34	35-39	40-44	45 Up	Unknown
TOTAL	98,752	280	560	1,193	1,960	3,101	4,450	25,528	30,668	21,735	8,000	1,217	30	30
First	78,467	100	270	611	1,092	1,831	2,784	18,396	25,989	19,288	7,040	1,021	24	21
Second	15,179	125	206	434	632	955	1,270	5,269	3,570	1,834	728	148	5	3
Third	3,057	36	46	97	152	196	248	1,148	646	334	125	26	1	2
None	1,439	15	32	41	69	91	116	526	304	165	64	16		
Unknown	610	4	6	10	15	28	32	189	159	114	43	6		4

TABLE 18
RESIDENT LIVE BIRTHS WITH APGAR SCORE BY AGE OF MOTHER
VIRGINIA, 1990

AGE OF MOTHER OF INFANT	TOTAL BIRTHS	ONE MINUTE APGAR SCORE										
		00	01	02	03	04	05	06	07	08	09	10	Unk
TOTAL	98,752	66	849	806	1,004	1,367	1,986	3,110	8,348	44,282	35,848	414	672
< 15 Years	280		5	3	3	5	10	11	21	115	104	1	2
15-19 Years	11,264	5	120	121	134	205	269	362	1,033	4,655	4,243	48	69
20-24 Years	25,528	23	235	214	306	376	557	858	2,178	11,023	9,466	110	182
25-29 Years	30,668	20	235	224	271	376	573	973	2,565	14,031	11,068	141	191
30-34 Years	21,735	10	169	162	206	281	403	622	1,777	10,106	7,782	75	142
35-39 Years	8,000	7	64	63	71	104	157	244	651	3,757	2,779	34	69
40-44 Years	1,217	1	20	19	13	20	16	39	119	572	380	5	13
> 44 Years	30						1	1	3	11	14		
Age Unknown	30		1						1	12	12		4

AGE OF MOTHER OF INFANT	TOTAL BIRTHS	FIVE MINUTE APGAR SCORE										
		00	01	02	03	04	05	06	07	08	09	10	Unk
TOTAL	98,752	69	287	118	106	157	271	613	1,584	7,233	79,846	7,786	682
< 15 Years	280		1	1		1	2	2	7	26	217	21	2
15-19 Years	11,264	5	44	14	22	25	39	98	225	902	8,993	814	83
20-24 Years	25,528	22	92	28	24	32	70	179	487	1,946	20,475	1,993	180
25-29 Years	30,668	17	71	33	21	49	81	166	443	2,216	24,827	2,558	186
30-34 Years	21,735	16	52	28	24	37	51	126	300	1,486	17,824	1,644	147
35-39 Years	8,000	8	23	12	13	11	18	34	108	547	6,496	663	67
40-44 Years	1,217	1	4	1	2	2	10	8	14	106	971	85	13
> 44 Years	30									2	24	4	
Age Unknown	30			1						2	19	4	4

TABLE 19
RESIDENT LIVE BIRTHS WITH APGAR SCORE BY RACE AND SEX
VIRGINIA, 1990

RACE AND SEX OF INFANT	TOTAL BIRTHS	ONE MINUTE APGAR SCORE										
		00	01	02	03	04	05	06	07	08	09	10	Unk
TOTAL	98,752	66	849	806	1,004	1,367	1,986	3,110	8,348	44,282	35,848	414	672
White Male	36,833	23	236	268	351	468	671	1,158	3,151	16,776	13,294	197	240
White Female	34,943	15	207	203	273	425	610	963	2,930	16,274	12,695	161	187
Nonwhite Male	13,663	20	218	184	200	252	378	526	1,117	5,642	4,984	22	120
Nonwhite Female	13,313	8	188	151	180	222	327	463	1,150	5,590	4,875	34	125

RACE AND SEX OF INFANT	TOTAL BIRTHS	FIVE MINUTE APGAR SCORE										
		00	01	02	03	04	05	06	07	08	09	10	Unk
TOTAL	98,752	69	287	118	106	157	271	613	1,584	7,233	79,846	7,786	682
White Male	36,833	22	74	28	22	46	76	181	578	2,639	29,482	3,441	244
White Female	34,943	20	59	28	23	32	70	183	422	2,370	28,321	3,228	187
Nonwhite Male	13,663	22	80	32	25	46	81	141	299	1,138	11,123	551	125
Nonwhite Female	13,313	5	74	30	36	33	44	108	285	1,086	10,920	566	126

TABLE 20
EVENTS OF LABOR AND DELIVERY REPORTED FOR RESIDENT LIVE BIRTHS
BY TRIMESTER CARE BEGAN
VIRGINIA, 1990

EVENTS OF LABOR AND DELIVERY REPORTED FOR LIVE BIRTHS	TOTAL EVENTS	TRIMESTER CARE BEGAN				
		First	Second	Third	None	Unk
Unduplicated Count of Births	32,550	25,594	5,187	1,016	574	179
Placenta Previa	603	511	68	7	12	5
Abruptio Placenta	577	441	98	9	23	6
Other Excessive Bleeding	478	379	73	9	12	5
Breech/Malpresentation	4,471	3,617	605	138	82	29
Cephalopelvic Disproportion	4,335	3,641	544	114	24	12
Meconium, Moderate/Heavy	11,167	8,547	1,958	415	196	51
Premature Rupture of Membrane	3,006	2,373	461	71	81	20
Febrile	1,692	1,357	229	69	28	9
Precipitous Labor	4,263	3,340	679	143	78	23
Prolonged Labor	777	644	118	9	2	4
Cord Prolapse	311	239	53	7	8	4
Anesthetic Complications	58	48	8	1	1	
Other Complications of Labor and Delivery	10,549	8,027	1,835	372	251	64

TABLE 21
CONGENITAL ANOMALIES REPORTED FOR RESIDENT LIVE BIRTHS
BY TRIMESTER CARE BEGAN
VIRGINIA, 1990

CONGENITAL ANOMALIES REPORTED	TOTAL ANOMALIES	TRIMESTER CARE BEGAN				
		First	Second	Third	None	Unk
Unduplicated Count of Infants With Anomalies	1,462	1,077	280	50	33	22
Anencephalus	7	6			1	
Spina Bifida/Meningocele	21	16	4		1	
Microcephalus	8	5	1	2		
Hydrocephalus	25	18	6		1	
Other Central Nervous System Anomalies	19	10	8	1		
Heart Malformations	75	67	6	1	1	
Other Circulatory/Respiratory Anomalies	166	120	32	4	6	4
Cleft Lip/Palate	73	55	13	2	1	2
Tracheo-Esophageal Fistula/Esophageal Atresia	10	7	2			1
Rectal Atresia/Stenosis	8	7			1	
Other Gastrointestinal Anomalies	27	17	5	3	1	1
Malformed Genitalia	41	32	8	1		
Renal Agenesis	6	4	2			
Other Urogenital Anomalies	98	77	16	1	2	2
Clubfoot	56	40	13	2		1
Polydactyly/Syndactyly/Adactyly	92	60	22	6	2	2
Diaphragmatic Hernia	9	5	4			
Omphalocele/Gastroschisis	19	16	1	1		1
Other Musculoskeletal/Integumental Anomalies	104	77	18	3	4	2
Down's Syndrome	60	54	6			
Other Chromosomal Anomalies	109	86	14	6	3	
Other Specified Anomalies	675	483	146	21	16	9

TABLE 22
RESIDENT LIVE BIRTHS AND NATURAL FETAL DEATHS BY RACE AND SEX BY MONTH OF DELIVERY AND NUMBER DELIVERED PER PREGNANCY VIRGINIA, 1990

MONTH	LIVE BIRTHS					NATURAL FETAL DEATHS						
		WHITE		NONWHITE			WHITE			NONWHITE		
	TOTAL	Male	Female	Male	Female	TOTAL	Male	Female	Unk	Male	Female	Unk
TOTAL	98,752	36,833	34,943	13,663	13,313	7,696	349	219	4,976	259	159	1,734
January	8,025	3,016	2,792	1,132	1,085	694	29	19	472	27	11	136
February	7,498	2,772	2,667	1,055	1,004	663	25	28	454	17	6	133
March	8,176	3,149	2,814	1,119	1,094	708	29	20	431	22	12	194
April	8,135	2,976	2,983	1,090	1,086	642	22	18	402	19	16	165
May	8,451	3,193	3,045	1,106	1,107	688	30	14	448	25	17	154
June	8,406	3,139	3,017	1,118	1,132	603	29	24	388	24	18	120
July	8,595	3,159	3,030	1,239	1,167	628	35	15	386	20	20	152
August	8,898	3,346	3,132	1,230	1,190	623	23	24	401	22	7	146
September	8,627	3,230	3,032	1,205	1,160	588	29	16	384	23	10	126
October	8,208	3,110	2,874	1,143	1,081	652	31	13	429	20	17	142
November	7,920	2,921	2,823	1,094	1,082	588	37	11	379	19	16	126
December	7,813	2,822	2,734	1,132	1,125	619	30	17	402	21	9	140
Single Births	96,504	36,032	34,127	13,348	12,997	7,591	307	200	4,967	242	147	1,728
Born as Twins	2,190	773	792	312	313	105	42	19	9	17	12	6
Born as Triplets	54	26	22	3	3							
Born as Quads	4	2	2									

TABLE 23
RESIDENT LIVE BIRTHS BY RACE AND SEX AND BY SEX RATIO OF MALES PER 1,000 FEMALES VIRGINIA, 1981-1990

YEAR	TOTAL			WHITE			NONWHITE		
	Male	Female	Sex Ratio	Male	Female	Sex Ratio	Male	Female	Sex Ratio
1981	40,862	38,416	1,064	30,379	28,441	1,068	10,483	9,975	1,051
1982	41,626	39,472	1,055	31,198	29,271	1,066	10,428	10,201	1,022
1983	41,508	39,271	1,057	31,045	29,041	1,069	10,463	10,230	1,023
1984	42,430	40,232	1,055	31,596	29,795	1,060	10,834	10,437	1,038
1985	44,340	41,644	1,065	33,238	30,761	1,081	11,102	10,883	1,020
1986	44,307	42,818	1,035	32,777	31,623	1,036	11,530	11,195	1,030
1987	46,321	43,993	1,053	34,327	32,558	1,054	11,994	11,435	1,049
1988	47,326	45,490	1,040	34,876	33,346	1,046	12,450	12,144	1,025
1989	49,336	47,202	1,045	36,125	34,357	1,051	13,211	12,845	1,028
1990	50,496	48,256	1,046	36,833	34,943	1,054	13,663	13,313	1,026

TABLE 24
RESIDENT PREGNANCIES BY RACE AND LEGITIMACY STATUS WITH PERCENT ILLEGITIMATE (LIVE BIRTHS, INDUCED ABORTIONS, AND NATURAL FETAL DEATHS) BY AGE OF MOTHER, VIRGINIA, 1990

AGE OF MOTHER	TOTAL			WHITE			NONWHITE		
	Number		Percent	Number		Percent	Number		Percent
	Total	Illeg	Illeg	Total	Illeg	Illeg	Total	Illeg	Illeg
TOTAL	138,801	54,882	39.5	97,776	28,652	29.3	41,025	26,230	63.9
< 15 years	536	522	97.4	178	166	93.3	358	356	99.4
15-19 years	19,236	15,113	78.6	11,618	8,010	68.9	7,618	7,103	93.2
15 years	1,038	979	94.3	472	416	88.1	566	563	99.5
16 years	2,158	1,946	90.2	1,213	1,012	83.4	945	934	98.8
17 years	3,455	2,889	83.6	2,049	1,531	74.7	1,406	1,358	96.6
18 years	5,438	4,342	79.8	3,346	2,392	71.5	2,092	1,950	93.2
19 years	7,147	4,957	69.4	4,538	2,659	58.6	2,609	2,298	88.1
20-24 years	37,908	19,366	51.1	25,121	10,130	40.3	12,787	9,236	72.2
25-29 years	39,927	11,181	28.0	29,208	5,612	19.2	10,719	5,569	52.0
30-34 years	27,724	5,685	20.5	21,298	2,980	14.0	6,426	2,705	42.1
35-39 years	11,185	2,377	21.3	8,595	1,338	15.6	2,590	1,039	40.1
40-44 years	2,011	473	23.5	1,558	299	19.2	453	174	38.4
> 44 years	73	31	42.5	55	21	38.2	18	10	55.6
Unknown	201	134		145	96		56	38	

TABLE 25
RESIDENT LIVE BIRTHS BY RACE AND LEGITIMACY STATUS WITH PERCENT ILLEGITIMATE
BY AGE OF MOTHER, VIRGINIA, 1990

AGE OF MOTHER	TOTAL			WHITE			NONWHITE		
	Number		Percent	Number		Percent	Number		Percent
	Total	Illeg	Illeg	Total	Illeg	Illeg	Total	Illeg	Illeg
TOTAL	98,752	25,813	26.1	71,776	10,901	15.2	26,976	14,912	55.3
< 15 years	280	270	96.4	77	67	87.0	203	203	100.0
15-19 years	11,264	7,587	67.4	6,467	3,211	49.7	4,797	4,376	91.2
15 years	560	509	90.9	200	151	75.5	360	358	99.4
16 years	1,193	1,001	83.9	593	411	69.3	600	590	98.3
17 years	1,960	1,459	74.4	1,046	583	55.7	914	876	95.8
18 years	3,101	2,123	68.5	1,817	957	52.7	1,284	1,166	90.8
19 years	4,450	2,495	56.1	2,811	1,109	39.5	1,639	1,386	84.6
20-24 years	25,528	9,331	36.6	17,227	3,942	22.9	8,301	5,389	64.9
25-29 years	30,668	5,235	17.1	23,290	2,165	9.3	7,378	3,070	41.6
30-34 years	21,735	2,422	11.1	17,305	1,047	6.1	4,430	1,375	31.0
35-39 years	8,000	815	10.2	6,406	388	6.1	1,594	427	26.8
40-44 years	1,217	137	11.3	961	71	7.4	256	66	25.8
> 44 years	30	4	13.3	23	2	8.7	7	2	28.5
Unknown	30	12		20	8		10	4	

TABLE 26
RESIDENT INDUCED ABORTIONS BY RACE AND LEGITIMACY STATUS WITH PERCENT ILLEGITIMATE
BY AGE OF MOTHER, VIRGINIA, 1990

AGE OF MOTHER	TOTAL			WHITE			NONWHITE		
	Number		Percent	Number		Percent	Number		Percent
	Total	Illeg	Illeg	Total	Illeg	Illeg	Total	Illeg	Illeg
TOTAL	32,353	26,281	81.2	20,456	16,316	79.8	11,897	9,965	83.8
< 15 years	231	227	98.3	91	89	97.8	140	138	98.6
15-19 years	7,185	6,922	96.3	4,695	4,499	95.8	2,490	2,423	97.3
15 years	439	434	98.9	257	253	98.4	182	181	99.5
16 years	883	879	99.5	570	567	99.5	313	312	99.7
17 years	1,344	1,311	97.5	919	892	97.1	425	419	98.6
18 years	2,117	2,042	96.5	1,398	1,342	96.0	719	700	97.4
19 years	2,402	2,256	93.9	1,551	1,445	93.2	851	811	95.3
20-24 years	10,692	9,203	86.1	6,757	5,766	85.3	3,935	3,437	87.3
25-29 years	7,078	5,291	74.8	4,314	3,110	72.1	2,764	2,181	78.9
30-34 years	4,296	2,883	67.1	2,700	1,745	64.6	1,596	1,138	71.3
35-39 years	2,204	1,368	62.1	1,419	841	59.3	785	527	67.1
40-44 years	527	276	52.4	379	186	49.1	148	90	60.8
> 44 years	27	17	63.0	22	14	63.6	5	3	60.0
Unknown	113	94		79	66		34	28	

TABLE 27
RESIDENT NATURAL FETAL DEATHS BY RACE AND LEGITIMACY STATUS WITH PERCENT ILLEGITIMATE
BY AGE OF MOTHER, VIRGINIA, 1990

AGE OF MOTHER	TOTAL			WHITE			NONWHITE		
	Number		Percent	Number		Percent	Number		Percent
	Total	Illeg	Illeg	Total	Illeg	Illeg	Total	Illeg	Illeg
TOTAL	7,696	2,788	36.2	5,544	1,435	25.9	2,152	1,353	62.9
< 15 years	25	25	100.0	10	10	100.0	15	15	100.0
15-19 years	787	604	76.7	456	300	65.8	331	304	91.8
15 years	39	36	92.3	15	12	80.0	24	24	100.0
16 years	82	66	80.5	50	34	68.0	32	32	100.0
17 years	151	119	78.8	84	56	66.7	67	63	94.0
18 years	220	177	80.5	131	93	71.0	89	84	94.4
19 years	295	206	69.8	176	105	59.7	119	101	84.9
20-24 years	1,688	832	49.3	1,137	422	37.1	551	410	74.4
25-29 years	2,181	655	30.0	1,604	337	21.0	577	318	55.1
30-34 years	1,693	380	22.4	1,293	188	14.5	400	192	48.0
35-39 years	981	194	19.8	770	109	14.2	211	85	40.3
40-44 years	267	60	22.5	218	42	19.3	49	18	36.7
> 44 years	16	10	62.5	10	5	50.0	6	5	83.3
Unknown	58	28		46	22		12	6	

TABLE 28
TEENAGE TOTAL PREGNANCIES, LIVE BIRTHS, INDUCED ABORTIONS, AND NATURAL FETAL DEATHS BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE — VIRGINIA, 1990

PLANNING DISTRICT AND CITY / COUNTY	TEENAGE TOTAL PREGNANCIES				TEENAGE LIVE BIRTHS				TEENAGE INDUCED ABORTIONS				TEENAGE NATURAL FETAL DEATHS			
	Total	< 15	15-17	18-19	Total	< 15	15-17	18-19	Total	< 15	15-17	18-19	Total	< 15	15-17	18-19
STATE OF VIRGINIA	19,772	536	6,651	12,585	11,544	280	3,713	7,551	7,416	231	2,666	4,519	812	25	272	515
DISTRICT 1	299	4	104	191	258	4	87	167	35		15	20	6		2	4
LEE	69	1	28	40	60	1	23	36	5		3	2	4		2	2
SCOTT	46		15	31	40		11	29	6		4	2				
WISE	159	1	51	107	136	1	45	90	21		6	15	2			2
NORTON	25	2	10	13	22	2	8	12	3		2	1				
DISTRICT 2	367	2	125	240	294	2	95	197	53		19	34	20		11	9
BUCHANAN	97		37	60	78		28	50	11		3	8	8		6	2
DICKENSON	50		19	31	44		16	28	4		2	2	2		1	1
RUSSELL	66	1	17	48	51	1	10	40	14		6	8	1		1	
TAZEWELL	154	1	52	101	121	1	41	79	24		8	16	9		3	6
DISTRICT 3	524	12	178	334	378	7	127	244	116	4	43	69	30	1	8	21
BLAND	10		2	8	8		1	7	1			1	1		1	
CARROLL	83	3	35	45	62	2	25	35	14	1	8	5	7		2	5
GRAYSON	39	1	17	21	29	1	14	14	10		3	7				
SMYTH	115	3	38	74	84		27	57	29	3	10	16	2		1	1
WASHINGTON	123	3	38	82	95	3	29	63	22		9	13	6			6
WYTHE	80	1	25	54	50		16	34	20		7	13	10	1	2	7
BRISTOL	44	1	12	31	27	1	7	19	17		5	12				
GALAX	30		11	19	23		8	15	3		1	2	4		2	2
DISTRICT 4	502	8	121	373	258	6	81	171	221	2	35	184	23		5	18
FLOYD	23	1	7	15	17		5	12	6	1	2	3				
GILES	31	2	9	20	19	2	6	11	8		2	6	4		1	3
MONTGOMERY	225	4	42	179	106	3	28	75	117	1	13	103	2		1	1
PULASKI	139	1	55	83	96	1	40	55	29		12	17	14		3	11
RADFORD	84		8	76	20		2	18	61		6	55	3			3
DISTRICT 5	864	22	278	564	482	11	144	327	343	11	123	209	39		11	28
ALLEGHANY	36	1	13	22	24	1	10	13	9		3	6	3			3
BOTETOURT	38		14	24	21		7	14	17		7	10				
CRAIG	13		2	11	10		2	8	2			2	1			1
ROANOKE	147	3	46	98	49	1	10	38	93	2	34	57	5		2	3
CLIFTON FORGE	13		2	11	11		2	9	2			2				
COVINGTON	20		6	14	17		5	12	2		1	1	1			1
ROANOKE CITY	511	16	175	320	316	9	102	205	171	7	64	100	24		9	15
SALEM	86	2	20	64	34		6	28	47	2	14	31	5			5
DISTRICT 6	627	9	215	403	382	5	123	254	217	4	86	127	28		6	22
AUGUSTA	159		52	107	86		24	62	67		27	40	6		1	5
BATH	17		9	8	9		6	3	5		2	3	3		1	2
HIGHLAND	7		4	3	2		1	1	5		3	2				
ROCKBRIDGE	43		16	27	23		7	16	18		9	9	2			2
ROCKINGHAM	176	5	60	111	110	3	34	73	57	2	24	31	9		2	7
BUENA VISTA	22		6	16	15		5	10	5		1	4	2			2
HARRISONBURG	76	1	18	57	47		12	35	27	1	6	20	2			2
LEXINGTON	16	1	6	9	8	1	2	5	7		3	4	1		1	
STAUNTON	58	1	26	31	46	1	21	24	10		4	6	2		1	1
WAYNESBORO	53	1	18	34	36		11	25	16	1	7	8	1			1
DISTRICT 7	458	12	136	310	324	8	90	226	85	2	29	54	49	2	17	30
CLARKE	26		7	19	18		3	15	5		2	3	3		2	1
FREDERICK	102	4	29	69	67	3	19	45	24	1	6	17	11		4	7
PAGE	68	3	19	46	49	1	13	35	14	1	4	9	5	1	2	2
SHENANDOAH	86	2	24	60	71	2	18	51	8		4	4	7		2	5
WARREN	93	1	32	60	56	1	19	36	23		8	15	14		5	9
WINCHESTER	83	2	25	56	63	1	18	44	11		5	6	9	1	2	6
DISTRICT 8	3,063	58	1,017	1,988	1,387	20	418	949	1,568	36	564	968	108	2	35	71
ARLINGTON	294	10	104	180	149	2	52	95	136	8	48	80	9		4	5
FAIRFAX	1,374	25	463	886	565	8	180	377	776	16	276	484	33	1	7	25
LOUDOUN	174	4	53	117	81	1	22	58	86	3	28	55	7		3	4
PRINCE WILLIAM	658	5	208	445	348	3	85	260	279	2	114	163	31		9	22
ALEXANDRIA	366	12	125	229	164	5	52	107	177	6	61	110	25	1	12	12
FAIRFAX CITY	60		18	42	9		4	5	51		14	37				
FALLS CHURCH	13		5	8	6		2	4	7		3	4				
MANASSAS	106	1	35	70	52		17	35	51	1	18	32	3			3
MANASSAS PARK	18	1	6	11	13	1	4	8	5		2	3				
DISTRICT 9	335	12	116	207	199	5	54	140	121	4	58	59	15	3	4	8
CULPEPER	102	4	36	62	61	2	16	43	35	2	18	15	6		2	4
FAUQUIER	110	4	39	67	63	1	20	42	41	1	19	21	6	2		4
MADISON	28		12	16	20		6	14	8		6	2				
ORANGE	83	4	26	53	48	2	11	35	32	1	13	18	3	1	2	
RAPPAHANNOCK	12		3	9	7		1	6	5		2	3				
DISTRICT 10	498	13	172	313	273	4	86	183	200	7	75	118	25	2	11	12
ALBEMARLE	145	4	54	87	63	1	21	41	73	3	28	42	9		5	4
FLUVANNA	48		19	29	33		10	23	14		9	5	1			1
GREENE	28		12	16	20		8	12	5		3	2	3		1	2
LOUISA	75	3	25	47	51	1	15	35	20	2	7	11	4		3	1
NELSON	27	1	9	17	19		6	13	7		3	4	1	1		
CHARLOTTESVILLE	175	5	53	117	87	2	26	59	81	2	25	54	7	1	2	4
DISTRICT 11	703	25	248	430	414	10	136	268	248	14	101	133	41	1	11	29
AMHERST	95	2	27	66	57	1	16	40	33	1	10	22	5		1	4
APPOMATTOX	50	1	19	30	32		13	19	15	1	6	8	3			3
BEDFORD	103	2	42	59	62	1	23	38	33	1	17	15	8		2	6
CAMPBELL	148	2	62	84	88	1	34	53	55	1	25	29	5		3	2
BEDFORD CITY	23		6	17	13		3	10	7		3	4	3			3
LYNCHBURG	284	18	92	174	162	7	47	108	105	10	40	55	17	1	5	11

Revised 14 Jan 1992

[continued]

TABLE 28
TEENAGE TOTAL PREGNANCIES, LIVE BIRTHS, INDUCED ABORTIONS, AND NATURAL FETAL DEATHS BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE VIRGINIA, 1990

PLANNING DISTRICT AND CITY / COUNTY	TEENAGE TOTAL PREGNANCIES				TEENAGE LIVE BIRTHS				TEENAGE INDUCED ABORTIONS				TEENAGE NATURAL FETAL DEATHS			
	Total	< 15	15-17	18-19	Total	< 15	15-17	18-19	Total	< 15	15-17	18-19	Total	< 15	15-17	18-19
STATE OF VIRGINIA	19,772	536	6,651	12,585	11,544	280	3,713	7,551	7,416	231	2,666	4,519	812	25	272	515
DISTRICT 12	817	23	287	507	534	13	168	353	241	8	103	130	42	2	16	24
FRANKLIN	101	1	24	76	63	1	14	48	32		9	23	6		1	5
HENRY	223	4	71	148	150	2	46	102	64	1	24	39	9	1	1	7
PATRICK	60	3	24	33	46	3	17	26	14		7	7				
PITTSYLVANIA	179	3	75	101	90	1	27	62	85	2	46	37	4		2	2
DANVILLE	201	7	76	118	155	5	58	92	28	2	9	17	18		9	9
MARTINSVILLE	53	5	17	31	30	1	6	23	18	3	8	7	5	1	3	1
DISTRICT 13	301	9	111	181	175	3	63	109	114	5	45	64	12	1	3	8
BRUNSWICK	57	2	16	40	32		10	22	24	1	6	17	2	1		1
HALIFAX	101	3	37	61	56		21	35	40	3	16	21	5			5
MECKLENBURG	112	3	49	60	65	2	25	38	42	1	21	20	5		3	2
SOUTH BOSTON	30	1	9	20	22	1	7	14	8		2	6				
DISTRICT 14	319	10	114	195	204	4	61	139	102	6	46	50	13		7	6
AMELIA	30	1	8	21	21	1	4	16	9		4	5				
BUCKINGHAM	41	1	12	28	31		7	24	7	1	3	3	3		2	1
CHARLOTTE	53	2	14	37	35		8	27	15	2	6	7	3			3
CUMBERLAND	32		16	16	21		11	10	11		5	6				
LUNENBURG	31	1	10	20	13		4	9	18	1	6	11				
NOTTOWAY	61	2	23	36	37	1	9	27	20	1	10	9	4		4	
PRINCE EDWARD	71	3	31	37	46	2	18	26	22	1	12	9	3		1	2
DISTRICT 15	2,665	94	903	1,668	1,285	42	449	794	1,308	51	424	833	72	1	30	41
CHARLES CITY COUNTY	20		6	14	10		3	7	10		3	7				
CHESTERFIELD	578	19	174	385	233	3	64	166	320	16	100	204	25		10	15
GOOCHLAND	28	1	8	19	14		4	10	13	1	4	8	1			1
HANOVER	149	2	49	98	67	1	17	49	81	1	31	49	1		1	
HENRICO	650	17	222	411	243	5	77	161	396	11	142	243	11	1	3	7
NEW KENT	32		14	18	20		9	11	11		5	6	1			1
POWHATAN	39		10	29	24		3	21	14		6	8	1		1	
RICHMOND CITY	1,169	55	420	694	674	33	272	369	463	22	133	308	32		15	17
DISTRICT 16	597	19	201	377	358	13	108	237	227	5	88	134	12	1	5	6
CAROLINE	92	1	22	69	57	1	9	47	33		12	21	2		1	1
KING GEORGE	47	2	14	31	33	2	10	21	14		4	10				
SPOTSYLVANIA	121	3	46	72	79	2	27	50	41		19	22	1	1		
STAFFORD	162	4	59	99	91	3	30	58	69	1	28	40	2		1	1
FREDERICKSBURG	175	9	60	106	98	5	32	61	70	4	25	41	7		3	4
DISTRICT 17	129	3	42	84	92	3	29	60	32		9	23	5		4	1
LANCASTER	38	3	12	23	26	3	9	14	12		3	9				
NORTHUMBERLAND	16		6	10	14		5	9	2		1	1				
RICHMOND	18		5	13	11		3	8	6		1	5	1		1	
WESTMORELAND	57		19	38	41		12	29	12		4	8	4		3	1
DISTRICT 18	199	6	69	124	122	3	34	85	69	3	32	34	8		3	5
ESSEX	31		16	15	23		10	13	8		6	2				
GLOUCESTER	75	2	22	51	44		10	34	26	2	10	14	5		2	3
KING & QUEEN	23	2	4	17	16	1	3	12	6	1	1	4	1			1
KING WILLIAM	35		16	19	17		7	10	18		9	9				
MATHEWS	20		8	12	11		3	8	8		4	4	1		1	
MIDDLESEX	15	2	3	10	11	2	1	8	3		2	1	1			1
DISTRICT 19	699	26	224	449	431	11	145	275	225	15	72	138	43		7	36
DINWIDDIE	60	1	19	40	34		9	25	19	1	10	8	7			7
GREENSVILLE	38	1	19	18	26	1	13	12	12		6	6				
PRINCE GEORGE	71	2	16	53	43		8	35	26	2	8	16	2			2
SURRY	18	1	4	13	12		2	10	5	1	2	2	1			1
SUSSEX	46	3	15	28	32	1	13	18	11	2	2	7	3			3
COLONIAL HEIGHTS	44		13	31	24		5	19	18		8	10	2			2
EMPORIA	38	3	12	23	26	2	9	15	7	1	2	4	5		1	4
HOPEWELL	118	2	45	71	79	1	28	50	35	1	15	19	4		2	2
PETERSBURG	266	13	81	172	155	6	58	91	92	7	19	66	19		4	15
DISTRICT 20	4,064	119	1,385	2,560	2,641	75	876	1,690	1,288	40	462	786	135	4	47	84
ISLE OF WIGHT	56	3	16	37	42	2	8	32	11		7	4	3	1	1	1
SOUTHAMPTON	46	2	20	24	32	1	13	18	12	1	5	6	2		2	
CHESAPEAKE	492	11	185	296	294	4	106	184	183	7	70	106	15		9	6
FRANKLIN CITY	46	1	14	31	34	1	11	22	11		3	8	1			1
NORFOLK	1,352	43	421	888	947	32	304	611	375	10	107	258	30	1	10	19
PORTSMOUTH	609	29	238	342	457	21	182	254	129	8	48	73	23		8	15
SUFFOLK	227	11	101	115	156	6	71	79	55	3	25	27	16	2	5	9
VIRGINIA BEACH	1,236	19	390	827	679	8	181	490	512	11	197	304	45		12	33
DISTRICT 21	1,557	45	548	964	905	27	294	584	576	13	227	336	76	5	27	44
JAMES CITY COUNTY	93	4	33	56	52	2	19	31	37	2	12	23	4		2	2
YORK	62	1	32	29	27	1	13	13	31		19	12	4			4
HAMPTON	556	10	187	359	293	7	90	196	244	2	93	149	19	1	4	14
NEWPORT NEWS	773	29	270	474	498	17	160	321	234	9	94	131	41	3	16	22
POQUOSON	27		7	20	16		1	15	9		4	5	2		2	
WILLIAMSBURG	46	1	19	26	19		11	8	21		5	16	6	1	3	2
DISTRICT 22	180	5	57	118	148	4	45	99	22	1	10	11	10		2	8
ACCOMACK	124	2	38	84	105	2	33	70	11		4	7	8		1	7
NORTHAMPTON	56	3	19	34	43	2	12	29	11	1	6	4	2		1	1
UNKNOWN	5			5					5			5				

Revised 14 Jan 1992

TABLE 29
INDUCED ABORTIONS BY RACE AND LEGITIMACY STATUS WITH PERCENT ILLEGITIMATE BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE
VIRGINIA, 1990

PLANNING DISTRICT / CITY / COUNTY	ALL INDUCED ABORTIONS			ILLEGITIMATE			PERCENT ILLEGITIMATE		
	Total	White	Nonwhite	Total	White	Nonwhite	Total	White	Nonwhite
STATE OF VIRGINIA	32,353	20,456	11,897	26,281	16,316	9,965	81.2	79.8	83.8
DISTRICT 1	129	129		87	87		67.4	67.4	
LEE	15	15		9	9		60.0	60.0	
SCOTT	25	25		17	17		68.0	68.0	
WISE	78	78		52	52		66.7	66.7	
NORTON	11	11		9	9		81.8	81.8	
DISTRICT 2	140	136	4	103	100	3	73.6	73.5	75.0
BUCHANAN	36	36		23	23		63.9	63.9	
DICKENSON	10	9	1	8	7	1	80.0	77.8	100.0
RUSSELL	30	30		23	23		76.7	76.7	
TAZEWELL	64	61	3	49	47	2	76.6	77.0	66.7
DISTRICT 3	349	337	12	272	262	10	77.9	77.7	83.3
BLAND	9	9		7	7		77.8	77.8	
CARROLL	41	41		32	32		78.0	78.0	
GRAYSON	24	23	1	20	19	1	83.3	82.6	100.0
SMYTH	64	60	4	48	45	3	75.0	75.0	75.0
WASHINGTON	80	80		58	58		72.5	72.5	
WYTHE	65	61	4	49	46	3	75.4	75.4	75.0
BRISTOL	48	46	2	41	39	2	85.4	84.8	100.0
GALAX	18	17	1	17	16	1	94.4	94.1	100.0
DISTRICT 4	688	605	83	591	536	55	85.9	88.6	66.3
FLOYD	24	24		20	20		83.3	83.3	
GILES	26	26		22	22		84.6	84.6	
MONTGOMERY	384	323	61	321	283	38	83.6	87.6	62.3
PULASKI	89	82	7	73	67	6	82.0	81.7	85.7
RADFORD	165	150	15	155	144	11	93.9	96.0	73.3
DISTRICT 5	1,179	891	288	977	714	263	82.9	80.1	91.3
ALLEGHANY	29	27	2	22	20	2	75.9	74.1	100.0
BOTETOURT	58	51	7	47	40	7	81.0	78.4	100.0
CRAIG	4	4		3	3		75.0	75.0	
ROANOKE	296	273	23	234	214	20	79.1	78.4	87.0
CLIFTON FORGE	8	6	2	6	4	2	75.0	66.7	100.0
COVINGTON	10	7	3	8	5	3	80.0	71.4	100.0
ROANOKE CITY	646	402	244	553	328	225	85.6	81.6	92.2
SALEM	128	121	7	104	100	4	81.3	82.6	57.1
DISTRICT 6	711	624	87	594	518	76	83.5	83.0	87.4
AUGUSTA	227	207	20	189	172	17	83.3	83.1	85.0
BATH	11	10	1	11	10	1	100.0	100.0	100.0
HIGHLAND	5	5		5	5		100.0	100.0	
ROCKBRIDGE	59	58	1	42	41	1	71.2	70.7	100.0
ROCKINGHAM	195	172	23	160	142	18	82.1	82.6	78.3
BUENA VISTA	16	15	1	15	14	1	93.8	93.3	100.0
HARRISONBURG	82	69	13	74	62	12	90.2	89.9	92.3
LEXINGTON	31	26	5	28	23	5	90.3	88.5	100.0
STAUNTON	36	28	8	34	26	8	94.4	92.9	100.0
WAYNESBORO	49	34	15	36	23	13	73.5	67.6	86.7
DISTRICT 7	317	290	27	244	225	19	77.0	77.6	70.4
CLARKE	35	30	5	23	20	3	65.7	66.7	60.0
FREDERICK	62	58	4	45	42	3	72.6	72.4	75.0
PAGE	46	46		39	39		84.8	84.8	
SHENANDOAH	38	38		28	28		73.7	73.7	
WARREN	75	67	8	59	53	6	78.7	79.1	75.0
WINCHESTER	61	51	10	50	43	7	82.0	84.3	70.0
DISTRICT 8	8,648	6,285	2,363	6,632	4,817	1,815	76.7	76.6	76.8
ARLINGTON	1,026	702	324	783	529	254	76.3	75.4	78.4
FAIRFAX	4,133	3,155	978	3,117	2,422	695	75.4	76.8	71.1
LOUDOUN	451	397	54	348	301	47	77.2	75.8	87.0
PRINCE WILLIAM	1,274	984	290	945	726	219	74.2	73.8	75.5
ALEXANDRIA	1,243	621	622	1,030	508	522	82.9	81.8	83.9
FAIRFAX CITY	235	190	45	194	160	34	82.6	84.2	75.6
FALLS CHURCH	37	37		27	27		73.0	73.0	
MANASSAS	229	185	44	175	136	39	76.4	73.5	88.6
MANASSAS PARK	20	14	6	13	8	5	65.0	57.1	83.3
DISTRICT 9	488	380	108	368	280	88	75.4	73.7	81.5
CULPEPER	133	91	42	104	70	34	78.2	76.9	81.0
FAUQUIER	197	165	32	143	120	23	72.6	72.7	71.9
MADISON	39	33	6	27	22	5	69.2	66.7	83.3
ORANGE	98	73	25	79	56	23	80.6	76.7	92.0
RAPPAHANNOCK	21	18	3	15	12	3	71.4	66.7	100.0
DISTRICT 10	888	615	273	733	495	238	82.5	80.5	87.2
ALBEMARLE	333	255	78	265	203	62	79.6	79.6	79.5
FLUVANNA	54	25	29	46	18	28	85.2	72.0	96.6
GREENE	31	27	4	22	18	4	71.0	66.7	100.0
LOUISA	72	46	26	59	36	23	81.9	78.3	88.5
NELSON	58	34	24	44	24	20	75.9	70.6	83.3
CHARLOTTESVILLE	340	228	112	297	196	101	87.4	86.0	90.2
DISTRICT 11	831	553	278	696	449	247	83.8	81.2	88.8
AMHERST	110	74	36	98	63	35	89.1	85.1	97.2
APPOMATTOX	42	27	15	36	24	12	85.7	88.9	80.0
BEDFORD	132	116	16	99	86	13	75.0	74.1	81.3
CAMPBELL	144	104	40	118	84	34	81.9	80.8	85.0
BEDFORD CITY	29	22	7	21	16	5	72.4	72.7	71.4
LYNCHBURG	374	210	164	324	176	148	86.6	83.8	90.2

[continued]

TABLE 29
INDUCED ABORTIONS BY RACE AND LEGITIMACY STATUS WITH PERCENT ILLEGITIMATE BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE VIRGINIA, 1990

PLANNING DISTRICT / CITY / COUNTY	ALL INDUCED ABORTIONS			ILLEGITIMATE			PERCENT ILLEGITIMATE		
	Total	White	Nonwhite	Total	White	Nonwhite	Total	White	Nonwhite
STATE OF VIRGINIA	32,353	20,456	11,897	26,281	16,316	9,965	81.2	79.8	83.8
DISTRICT 12	787	[illegible]	315	631	381	250	80.2	80.7	79.4
FRANKLIN	93	[illegible]	22	77	58	19	82.8	81.7	86.4
HENRY	203	[illegible]	74	157	98	59	77.3	76.0	79.7
PATRICK	41	[illegible]	4	35	31	4	85.4	83.8	100.0
PITTSYLVANIA	282	[illegible]	135	229	120	109	81.2	81.6	80.7
DANVILLE	103	63	40	83	55	28	80.6	87.3	70.0
MARTINSVILLE	65	25	40	50	19	31	76.9	76.0	77.5
DISTRICT 13	380	142	238	304	109	195	80.0	76.8	81.9
BRUNSWICK	81	24	57	69	22	47	85.2	91.7	82.5
HALIFAX	141	59	82	108	42	66	76.6	71.2	80.5
MECKLENBURG	123	45	78	97	34	63	78.9	75.6	80.8
SOUTH BOSTON	35	14	21	30	11	19	85.7	78.6	90.5
DISTRICT 14	352	164	188	297	135	162	84.4	82.3	86.2
AMELIA	28	12	16	23	9	14	82.1	75.0	87.5
BUCKINGHAM	31	12	19	26	9	17	83.9	75.0	89.5
CHARLOTTE	49	26	23	40	20	20	81.6	76.9	87.0
CUMBERLAND	34	11	23	32	10	22	94.1	90.9	95.7
LUNENBURG	43	24	24	39	21	18	81.3	87.5	75.0
NOTTOWAY	75	36	39	61	26	35	81.3	72.2	89.7
PRINCE EDWARD	87	43	44	76	40	36	87.4	93.0	81.8
DISTRICT 15	5,569	2,767	2,802	4,893	2,402	2,491	87.9	86.8	88.9
CHARLES CITY COUNTY	34	9	25	27	5	22	79.4	55.6	88.0
CHESTERFIELD	1,145	815	330	977	698	279	85.3	85.6	84.5
GOOCHLAND	48	24	24	36	16	20	75.0	66.7	83.3
HANOVER	309	261	48	263	225	38	85.1	86.2	79.2
HENRICO	1,738	980	758	1,509	851	658	86.8	86.8	86.8
NEW KENT	46	32	14	41	28	13	89.1	87.5	92.9
POWHATAN	61	37	24	50	28	22	82.0	75.7	91.7
RICHMOND CITY	2,188	609	1,579	1,990	551	1,439	91.0	90.5	91.1
DISTRICT 16	873	636	237	680	486	194	77.9	76.4	81.9
CAROLINE	125	49	76	96	34	62	76.8	69.4	81.6
KING GEORGE	48	31	17	39	23	16	81.3	74.2	94.1
SPOTSYLVANIA	182	150	32	135	109	26	74.2	72.7	81.3
STAFFORD	259	219	40	187	160	27	72.2	73.1	67.5
FREDERICKSBURG	259	187	72	223	160	63	86.1	85.6	87.5
DISTRICT 17	163	80	83	140	69	71	85.9	86.3	85.5
LANCASTER	43	17	26	39	16	23	90.7	94.1	88.5
NORTHUMBERLAND	24	13	11	20	11	9	83.3	84.6	81.8
RICHMOND	27	16	11	22	11	11	81.5	68.8	100.0
WESTMORELAND	69	34	35	59	31	28	85.5	91.2	80.0
DISTRICT 18	282	186	96	225	140	85	79.8	75.3	88.5
ESSEX	42	22	20	34	17	17	81.0	77.3	85.0
GLOUCESTER	108	88	20	78	62	16	72.2	70.5	80.0
KING & QUEEN	26	7	19	25	6	19	96.2	85.7	100.0
KING WILLIAM	56	31	25	49	25	24	87.5	80.6	96.0
MATHEWS	23	18	5	19	15	4	82.6	83.3	80.0
MIDDLESEX	27	20	7	20	15	5	74.1	75.0	71.4
DISTRICT 19	952	347	605	810	282	528	85.1	81.3	87.3
DINWIDDIE	85	40	45	71	31	40	83.5	77.5	88.9
GREENSVILLE	55	14	41	47	11	36	85.5	78.6	87.8
PRINCE GEORGE	107	41	66	81	28	53	75.7	68.3	80.3
SURRY	21	8	13	17	7	10	81.0	87.5	76.9
SUSSEX	47	6	41	41	4	37	87.2	66.7	90.2
COLONIAL HEIGHTS	101	85	16	86	72	14	85.1	84.7	87.5
EMPORIA	25	12	13	23	11	12	92.0	91.7	92.3
HOPEWELL	137	88	49	111	72	39	81.0	81.8	79.6
PETERSBURG	374	53	321	333	46	287	89.0	86.8	89.4
DISTRICT 20	5,819	3,460	2,359	4,713	2,770	1,943	81.0	80.1	82.4
ISLE OF WIGHT	82	37	45	64	26	38	78.0	70.3	84.4
SOUTHAMPTON	32	15	17	28	13	15	87.5	86.7	88.2
CHESAPEAKE	711	421	290	577	333	244	81.2	79.1	84.1
FRANKLIN CITY	34	8	26	29	6	23	85.3	75.0	88.5
NORFOLK	1,745	802	943	1,433	647	786	82.1	80.7	83.4
PORTSMOUTH	542	253	289	456	209	247	84.1	82.6	85.5
SUFFOLK	196	84	112	156	60	96	79.6	71.4	85.7
VIRGINIA BEACH	2,477	1,840	637	1,970	1,476	494	79.5	80.2	77.6
DISTRICT 21	2,701	1,295	1,406	2,200	1,009	1,191	81.5	77.9	84.7
JAMES CITY COUNTY	158	103	55	122	73	49	77.2	70.9	89.1
YORK	118	87	31	99	76	23	83.9	87.4	74.2
HAMPTON	1,015	391	624	854	314	540	84.1	80.3	86.5
NEWPORT NEWS	1,255	590	665	1,002	447	555	79.8	75.8	83.5
POQUOSON	43	43		35	35		81.4	81.4	
WILLIAMSBURG	112	81	31	88	64	24	78.6	79.0	77.4
DISTRICT 22	85	43	42	75	37	38	88.2	86.0	90.5
ACCOMACK	54	31	23	49	26	23	90.7	83.9	100.0
NORTHAMPTON	31	12	19	26	11	15	83.9	91.7	78.9
UNKNOWN	22	19	3	16	13	3			

NOTE: Includes 1,359 Abortions For Residents Of Virginia That Occurred In Other States.

TABLE 30
RESIDENT INDUCED ABORTIONS BY AGE OF MOTHER
BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE
VIRGINIA, 1990

PLANNING DISTRICT / CITY / COUNTY	TOTAL	AGE OF MOTHER							
		< 15	15-19	20-24	25-29	30-34	35-39	40-44	45 Up	Unk
STATE OF VIRGINIA	32,353	231	7,185	10,692	7,078	4,296	2,204	527	27	113
DISTRICT 1	129		35	34	26	20	11	3		
LEE	15		5	3	2	2	1	2		
SCOTT	25		6	8	4	4	3			
WISE	78		21	23	17	12	5			
NORTON	11		3		3	2	2	1		
DISTRICT 2	140		53	43	18	12	10	4		
BUCHANAN	36		11	10	3	6	5	1		
DICKENSON	10		4	3		2		1		
RUSSELL	30		14	7	3	2	3	1		
TAZEWELL	64		24	23	12	2	2	1		
DISTRICT 3	349	4	112	111	51	37	26	5		3
BLAND	9		1	4	2		1	1		
CARROLL	41	1	13	11	7	6	3			
GRAYSON	24		10	2	7	3	2			
SMYTH	64	3	26	18	5	8	4			
WASHINGTON	80		22	29	11	10	6	2		
WYTHE	65		20	22	12	5	4	2		
BRISTOL	48		17	17	4	3	5			2
GALAX	18		3	8	3	2	1			1
DISTRICT 4	688	2	219	290	81	58	30	6		2
FLOYD	24	1	5	10	3	4	1			
GILES	26		8	13	2	1	1	1		
MONTGOMERY	384	1	116	157	52	31	22	4		1
PULASKI	89		29	25	16	13	4	1		1
RADFORD	165		61	85	8	9	2			
DISTRICT 5	1,179	11	332	383	229	142	63	16	1	2
ALLEGHANY	29		9	9	5	6				
BOTETOURT	58		17	22	12	4	1	2		
CRAIG	4		2	1	1					
ROANOKE	296	2	91	92	48	38	19	4	1	1
CLIFTON FORGE	8		2	2	3	1				
COVINGTON	10		2	4	2	2				
ROANOKE CITY	646	7	164	217	140	69	41	7		1
SALEM	128	2	45	36	18	22	2	3		
DISTRICT 6	711	4	213	256	113	69	44	11	1	
AUGUSTA	227		67	71	51	24	11	3		
BATH	11		5	3	2	1				
HIGHLAND	5		5							
ROCKBRIDGE	59		18	19	5	10	7			
ROCKINGHAM	195	2	55	75	27	18	14	4		
BUENA VISTA	16		5	8	1	1	1			
HARRISONBURG	82	1	26	36	12	5	2			
LEXINGTON	31		7	13	2	3	4	1	1	
STAUNTON	36		10	12	7	3	4			
WAYNESBORO	49	1	15	19	6	4	1	3		
DISTRICT 7	317	2	83	89	67	42	23	10		1
CLARKE	35		5	10	10	5	4	1		
FREDERICK	62	1	23	14	12	6	6			
PAGE	46	1	13	9	12	5	4	2		
SHENANDOAH	38		8	11	6	7	2	4		
WARREN	75		23	21	16	11	2	2		
WINCHESTER	61		11	24	11	8	5	1		1
DISTRICT 8	8,648	36	1,532	2,731	2,038	1,372	721	183	11	24
ARLINGTON	1,026	8	128	356	268	169	71	15	2	7
FAIRFAX	4,133	16	760	1,264	920	658	393	109	4	9
LOUDOUN	451	3	83	144	98	67	41	14	1	
PRINCE WILLIAM	1,274	2	277	402	282	203	87	17		4
ALEXANDRIA	1,243	6	171	372	374	205	88	22	3	2
FAIRFAX CITY	235		51	88	44	30	19	2	1	
FALLS CHURCH	37		7	10	7	7	4	2		
MANASSAS	229	1	50	88	42	29	15	2		2
MANASSAS PARK	20		5	7	3	4	1			
DISTRICT 9	488	4	117	160	113	56	31	6	1	
CULPEPER	133	2	33	50	28	11	7	2		
FAUQUIER	197	1	40	60	52	26	14	3	1	
MADISON	39		8	12	12	5	2			
ORANGE	98	1	31	33	15	10	8			
RAPPAHANNOCK	21		5	5	6	4		1		
DISTRICT 10	888	7	193	323	179	101	65	17	2	1
ALBEMARLE	333	3	70	122	54	46	29	8	1	
FLUVANNA	54		14	14	14	8	3	1		
GREENE	31		5	8	13	4	1			
LOUISA	72	2	18	21	15	9	5	1		1
NELSON	58		7	18	14	6	12	1		
CHARLOTTESVILLE	340	2	79	140	69	28	15	6	1	
DISTRICT 11	931	14	234	264	161	97	46	12	1	2
AMHERST	110	1	32	45	14	11	6	1		
APPOMATTOX	42	1	14	16	4	7				
BEDFORD	132	1	32	47	29	12	7	4		
CAMPBELL	144	1	54	41	24	19	3	1		1
BEDFORD CITY	29		7	9	5	5	2	1		
LYNCHBURG	374	10	95	106	85	43	28	5	1	1

[continued]

TABLE 30
RESIDENT INDUCED ABORTIONS BY AGE OF MOTHER
BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE
VIRGINIA, 1990

PLANNING DISTRICT / CITY / COUNTY	TOTAL	AGE OF MOTHER								
		< 15	15-19	20-24	25-29	30-34	35-39	40-44	45 Up	Unk
STATE OF VIRGINIA	32,353	231	7,185	10,692	7,078	4,296	2,204	527	27	113
DISTRICT 12	787	8	233	245	131	92	61	15		2
FRANKLIN	93		32	31	11	10	7	2		
HENRY	203	1	63	65	36	18	16	3		1
PATRICK	41		14	13	6	4	2	2		
PITTSYLVANIA	282	2	83	92	44	35	21	5		
DANVILLE	103	2	26	30	19	11	12	2		1
MARTINSVILLE	65	3	15	14	15	14	3	1		
DISTRICT 13	380	5	109	127	67	45	18	6		3
BRUNSWICK	81	1	23	26	18	10	3			
HALIFAX	141	3	37	53	15	17	11	3		2
MECKLENBURG	123	1	41	34	28	13	2	3		1
SOUTH BOSTON	35		8	14	6	5	2			
DISTRICT 14	352	6	96	104	72	39	32	3		
AMELIA	28		9	8	4	5	2			
BUCKINGHAM	31	1	6	10	7	4	3			
CHARLOTTE	49	2	13	12	11	6	3	2		
CUMBERLAND	34		11	7	12	3		1		
LUNENBURG	48	1	17	15	5	5	5			
NOTTOWAY	75	1	19	20	22	10	3			
PRINCE EDWARD	87	1	21	32	11	6	16			
DISTRICT 15	5,569	51	1,257	1,843	1,201	729	376	93	3	16
CHARLES CITY COUNTY	34		10	8	11	2	1	2		
CHESTERFIELD	1,145	16	304	325	229	159	82	27		3
GOOCHLAND	48	1	12	9	14	8	3		1	
HANOVER	309	1	80	82	62	51	25	8		
HENRICO	1,738	11	385	563	394	241	105	29	1	9
NEW KENT	46		11	11	15	4	5			
POWHATAN	61		14	19	11	7	9	1		
RICHMOND CITY	2,188	22	441	826	465	257	146	26	1	4
DISTRICT 16	873	5	222	273	188	124	43	16		2
CAROLINE	125		33	33	30	22	6	1		
KING GEORGE	48		14	10	13	7	1	3		
SPOTSYLVANIA	182		41	48	42	32	13	6		
STAFFORD	259	1	68	77	59	37	14	2		1
FREDERICKSBURG	259	4	66	105	44	26	9	4		1
DISTRICT 17	163		32	52	36	25	15	2	1	
LANCASTER	43		12	12	10	7	1	1		
NORTHUMBERLAND	24		2	4	9	7	2			
RICHMOND	27		6	8	6	2	4		1	
WESTMORELAND	69		12	28	11	9	8	1		
DISTRICT 18	282	3	66	70	66	37	28	9		3
ESSEX	42		8	13	9	5	4	3		
GLOUCESTER	108	2	24	26	23	14	14	3		2
KING & QUEEN	26	1	5	8	4	3	4	1		
KING WILLIAM	56		18	9	15	7	4	2		1
MATHEWS	23		8	5	5	4	1			
MIDDLESEX	27		3	9	10	4	1			
DISTRICT 19	952	15	210	330	197	137	49	10	2	2
DINWIDDIE	85	1	18	27	17	17	4	1		
GREENSVILLE	55		12	16	8	13	4	2		
PRINCE GEORGE	107	2	24	39	21	15	4	1	1	
SURRY	21	1	4	7	4	5				
SUSSEX	47	2	9	12	15	5	4			
COLONIAL HEIGHTS	101		18	37	19	17	9	1		
EMPORIA	25	1	6	8	9	1				
HOPEWELL	137	1	34	49	30	17	5	1		
PETERSBURG	374	7	85	135	74	47	19	4	1	2
DISTRICT 20	5,819	40	1,248	2,005	1,375	722	335	54	3	37
ISLE OF WIGHT	82		11	23	25	17	3	3		
SOUTHAMPTON	32	1	11	7	4	7	2			
CHESAPEAKE	711	7	176	238	151	82	46	5	1	5
FRANKLIN CITY	34		11	10	7	3	2	1		
NORFOLK	1,745	10	365	698	383	196	71	11	1	10
PORTSMOUTH	542	8	121	190	127	61	29	2		4
SUFFOLK	196	3	52	46	49	26	17	2		1
VIRGINIA BEACH	2,477	11	501	793	629	330	165	30	1	17
DISTRICT 21	2,701	13	563	929	652	323	169	41	1	10
JAMES CITY COUNTY	158	2	35	42	42	16	19	1	1	
YORK	118		31	34	22	14	9	8		
HAMPTON	1,015	2	242	356	226	108	63	12		6
NEWPORT NEWS	1,255	9	225	441	323	169	67	19		2
POQUOSON	43		9	13	10	7	3	1		
WILLIAMSBURG	112		21	43	29	9	8			2
DISTRICT 22	85	1	21	22	13	16	7	5		
ACCOMACK	54		11	14	10	10	5	4		
NORTHAMPTON	31	1	10	8	3	6	2	1		
UNKNOWN	22		5	8	4	1	1			3

NOTE: Includes 1,359 Abortions For Residents Of Virginia That Occurred In Other States.

TABLE 31
NATURAL FETAL DEATHS BY LENGTH OF GESTATION BY RACE
BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE
VIRGINIA, 1990

PLANNING DISTRICT / CITY / COUNTY	NATURAL FETAL DEATHS			GESTATION UNDER 20 WEEKS			GESTATION 20 WEEKS AND OVER		
	Total	White	Nonwhite	Total	White	Nonwhite	Total	White	Nonwhite
STATE OF VIRGINIA	7,696	5,544	2,152	6,921	5,089	1,832	775	455	320
DISTRICT 1	29	28	1	26	26		3	2	1
LEE	7	6	1	6	6		1		1
SCOTT	1	1					1	1	
WISE	21	21		20	20		1	1	
NORTON									
DISTRICT 2	107	106	1	97	96	1	10	10	
BUCHANAN	35	35		30	30		5	5	
DICKENSON	11	11		11	11				
RUSSELL	18	17	1	16	15	1	2	2	
TAZEWELL	43	43		40	40		3	3	
DISTRICT 3	170	165	5	153	149	4	17	16	1
BLAND	2	2		2	2				
CARROLL	26	26		21	21		5	5	
GRAYSON	18	18		17	17		1	1	
SMYTH	14	13	1	12	11	1	2	2	
WASHINGTON	39	38	1	34	33	1	5	5	
WYTHE	53	50	3	49	47	2	4	3	1
BRISTOL	5	5		5	5				
GALAX	13	13		13	13				
DISTRICT 4	208	187	21	187	166	21	21	21	
FLOYD	10	10		10	10				
GILES	18	15	3	13	10	3	5	5	
MONTGOMERY	106	98	8	97	89	8	9	9	
PULASKI	46	43	3	41	38	3	5	5	
RADFORD	28	21	7	26	19	7	2	2	
DISTRICT 5	417	349	68	387	326	61	30	23	7
ALLEGHANY	17	17		17	17				
BOTETOURT	26	25	1	25	24	1	1	1	
CRAIG	5	5		5	5				
ROANOKE	88	83	5	77	72	5	11	11	
CLIFTON FORGE	3	1	2	3	1	2			
COVINGTON	10	8	2	9	8	1	1		1
ROANOKE CITY	232	174	58	217	165	52	15	9	6
SALEM	36	36		34	34		2	2	
DISTRICT 6	202	195	7	178	171	7	24	24	
AUGUSTA	33	33		29	29		4	4	
BATH	10	10		9	9		1	1	
HIGHLAND	2	2		2	2				
ROCKBRIDGE	11	10	1	10	9	1	1	1	
ROCKINGHAM	66	65	1	57	56	1	9	9	
BUENA VISTA	11	11		10	10		1	1	
HARRISONBURG	29	27	2	25	23	2	4	4	
LEXINGTON	12	11	1	11	10	1	1	1	
STAUNTON	24	22	2	22	20	2	2	2	
WAYNESBORO	4	4		3	3		1	1	
DISTRICT 7	263	243	20	245	226	19	18	17	1
CLARKE	14	13	1	14	13	1			
FREDERICK	78	75	3	71	68	3	7	7	
PAGE	22	19	3	21	18	3	1	1	
SHENANDOAH	43	43		37	37		6	6	
WARREN	67	61	6	64	59	5	3	2	1
WINCHESTER	39	32	7	38	31	7	1	1	
DISTRICT 8	1,538	1,219	319	1,405	1,119	286	133	100	33
ARLINGTON	115	78	37	96	62	34	19	16	3
FAIRFAX	760	630	130	701	582	119	59	48	11
LOUDOUN	77	74	3	68	65	3	9	9	
PRINCE WILLIAM	295	237	58	269	221	48	26	16	10
ALEXANDRIA	210	132	78	195	125	70	15	7	8
FAIRFAX CITY	6	6		6	6				
FALLS CHURCH	7	7		7	7				
MANASSAS	58	45	13	53	41	12	5	4	1
MANASSAS PARK	10	10		10	10				
DISTRICT 9	150	125	25	137	115	22	13	10	3
CULPEPER	50	38	12	46	35	11	4	3	1
FAUQUIER	60	53	7	55	49	6	5	4	1
MADISON	5	3	2	4	3	1	1		1
ORANGE	26	22	4	24	20	4	2	2	
RAPPAHANNOCK	9	9		8	8		1	1	
DISTRICT 10	240	186	54	212	165	47	28	21	7
ALBEMARLE	84	64	20	73	57	16	11	7	4
FLUVANNA	21	19	2	18	17	1	3	2	1
GREENE	16	14	2	11	10	1	5	4	1
LOUISA	31	24	7	29	22	7	2	2	
NELSON	16	12	4	16	12	4			
CHARLOTTESVILLE	72	53	19	65	47	18	7	6	1
DISTRICT 11	321	217	104	290	196	94	31	21	10
AMHERST	33	20	13	30	18	12	3	2	1
APPOMATTOX	14	9	5	12	7	5	2	2	
BEDFORD	52	48	4	48	44	4	4	4	
CAMPBELL	49	37	12	40	29	11	9	8	1
BEDFORD CITY	29	18	11	27	17	10	2	1	1
LYNCHBURG	144	85	59	133	81	52	11	4	7

[continued]

TABLE 31
NATURAL FETAL DEATHS BY LENGTH OF GESTATION BY RACE BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE VIRGINIA, 1990

PLANNING DISTRICT CITY / COUNTY	NATURAL FETAL DEATHS			GESTATION UNDER 20 WEEKS			GESTATION 20 WEEKS AND OVER		
	Total	White	Nonwhite	Total	White	Nonwhite	Total	White	Nonwhite
STATE OF VIRGINIA	7,696	5,544	2,152	6,921	5,089	1,832	775	455	320
DISTRICT 12	325	204	121	293	187	106	32	17	15
FRANKLIN	58	51	7	50	45	5	8	6	2
HENRY	56	44	12	51	40	11	5	4	1
PATRICK	3	3		3	3				
PITTSYLVANIA	64	34	30	60	33	27	4	1	3
DANVILLE	124	63	61	116	61	55	8	2	6
MARTINSVILLE	20	9	11	13	5	8	7	4	3
DISTRICT 13	78	41	37	66	40	26	12	1	11
BRUNSWICK	16	2	14	12	2	10	4		4
HALIFAX	26	15	11	22	15	7	4		4
MECKLENBURG	27	15	12	23	14	9	4	1	3
SOUTH BOSTON	9	9	-	9	9				
DISTRICT 14	108	63	45	99	59	40	9	4	5
AMELIA	14	12	2	14	12	2			
BUCKINGHAM	13	5	8	11	5	6	2		2
CHARLOTTE	12	9	3	11	8	3	1	1	
CUMBERLAND	7	4	3	5	3	2	2	1	1
LUNENBURG	23	12	11	22	12	10	1		1
NOTTOWAY	16	8	8	14	7	7	2	1	1
PRINCE EDWARD	23	13	10	22	12	10	1	1	
DISTRICT 15	1,068	783	285	969	745	224	99	38	61
CHARLES CITY COUNTY	3		3	2		2	1		1
CHESTERFIELD	371	307	64	351	292	59	20	15	5
GOOCHLAND	15	14	1	14	13	1	1	1	
HANOVER	76	68	8	76	68	8			
HENRICO	329	259	70	308	250	58	21	9	12
NEW KENT	11	11		9	9		2	2	
POWHATAN	15	11	4	14	11	3	1		1
RICHMOND CITY	248	113	135	195	102	93	53	11	42
DISTRICT 16	144	114	30	129	104	25	15	10	5
CAROLINE	16	10	6	15	10	5	1		1
KING GEORGE	8	6	2	8	6	2			
SPOTSYLVANIA	26	21	5	22	17	5	4	4	
STAFFORD	33	26	7	26	22	4	7	4	3
FREDERICKSBURG	61	51	10	58	49	9	3	2	1
DISTRICT 17	21	12	9	14	9	5	7	3	4
LANCASTER	3		3	2		2	1		1
NORTHUMBERLAND	2	1	1	1	1		1		1
RICHMOND	8	7	1	7	7		1		1
WESTMORELAND	8	4	4	4	1	3	4	3	1
DISTRICT 18	82	61	21	71	53	18	11	8	3
ESSEX	8	6	2	7	6	1	1		1
GLOUCESTER	38	30	8	34	27	7	4	3	1
KING & QUEEN	6	5	1	5	4	1	1	1	
KING WILLIAM	15	10	5	12	8	4	3	2	1
MATHEWS	7	6	1	5	4	1	2	2	
MIDDLESEX	8	4	4	8	4	4			
DISTRICT 19	274	111	163	237	101	136	37	10	27
DINWIDDIE	31	11	20	26	8	18	5	3	2
GREENSVILLE	4	2	2	4	2	2			
PRINCE GEORGE	28	21	7	25	20	5	3	1	2
SURRY	6	3	3	6	3	3			
SUSSEX	21	7	14	20	7	13	1		1
COLONIAL HEIGHTS	31	26	5	28	24	4	3	2	1
EMPORIA	8	1	7	7	1	6	1		1
HOPEWELL	37	18	19	29	15	14	8	3	5
PETERSBURG	108	22	86	92	21	71	16	1	15
DISTRICT 20	1,198	715	483	1,049	647	402	149	68	81
ISLE OF WIGHT	45	32	13	40	29	11	5	3	2
SOUTHAMPTON	9	2	7	5	2	3	4		4
CHESAPEAKE	196	118	78	170	107	63	26	11	15
FRANKLIN CITY	6	2	4	3	1	2	3	1	2
NORFOLK	238	110	128	199	92	107	39	18	21
PORTSMOUTH	196	76	120	173	71	102	23	5	18
SUFFOLK	75	33	42	66	31	35	9	2	7
VIRGINIA BEACH	433	342	91	393	314	79	40	28	12
DISTRICT 21	696	390	306	623	361	262	73	29	44
JAMES CITY COUNTY	27	19	8	23	15	8	4	4	
YORK	34	30	4	32	28	4	2	2	
HAMPTON	237	103	134	214	95	119	23	8	15
NEWPORT NEWS	350	205	145	310	192	118	40	13	27
POQUOSON	14	13	1	13	12	1	1	1	
WILLIAMSBURG	34	20	14	31	19	12	3	1	2
DISTRICT 22	56	29	27	53	27	26	3	2	1
ACCOMACK	41	20	21	39	19	20	2	1	1
NORTHAMPTON	15	9	6	14	8	6	1	1	
UNKNOWN	1	1		1	1				

TABLE 32
RESIDENT NATURAL FETAL DEATHS BY AGE OF MOTHER
BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE
VIRGINIA, 1990

PLANNING DISTRICT / CITY / COUNTY	TOTAL	AGE OF MOTHER								
		< 15	15-19	20-24	25-29	30-34	35-39	40-44	45 Up	Unk
STATE OF VIRGINIA	7,696	25	787	1,688	2,181	1,693	981	267	16	58
DISTRICT 1	29		6	9	7	3	4			
LEE	7		4	3						
SCOTT	1				1					
WISE	21		2	6	6	3	4			
NORTON										
DISTRICT 2	107		20	28	26	17	13	2	1	
BUCHANAN	35		8	11	6	4	5	1		
DICKENSON	11		2	2	5	2				
RUSSELL	18		1	4	5	5	3			
TAZEWELL	43		9	11	10	6	5	1	1	
DISTRICT 3	170	1	29	48	49	26	9	6		2
BLAND	2		1			1				
CARROLL	26		7	8	9	2				
GRAYSON	18			13	5					
SMYTH	14		2	5	3	1		2		1
WASHINGTON	39		6	5	14	7	5	2		
WYTHE	53	1	9	13	15	11	2	2		
BRISTOL	5			1		3				1
GALAX	13		4	3	3	1	2			
DISTRICT 4	208		23	64	59	38	18	6		
FLOYD	10			5	2	1	1	1		
GILES	18		4	7	5	1	1			
MONTGOMERY	106		2	25	43	24	9	3		
PULASKI	46		14	18	6	6	2			
RADFORD	28		3	9	3	6	5	2		
DISTRICT 5	417		39	85	117	93	66	17		
ALLEGHANY	17		3	1	4	5	2	2		
BOTETOURT	26			2	8	6	10			
CRAIG	5		1		1	2	1			
ROANOKE	88		5	13	26	22	19	3		
CLIFTON FORGE	3				2		1			
COVINGTON	10		1	7	2					
ROANOKE CITY	232		24	56	62	52	30	8		
SALEM	36		5	6	12	6	3	4		
DISTRICT 6	202		28	51	62	38	13	6		4
AUGUSTA	33		6	12	10	2	3			
BATH	10		3	1	3	3				
HIGHLAND	2				2					
ROCKBRIDGE	11		2	3	3	2	1			
ROCKINGHAM	66		9	14	26	13	2	1		1
BUENA VISTA	11		2	3	2	3				1
HARRISONBURG	29		2	9	7	8	2	1		
LEXINGTON	12		1	1	3	2	2	3		
STAUNTON	24		2	6	5	5	3	1		2
WAYNESBORO	4		1	2	1					
DISTRICT 7	263	2	47	75	66	39	25	6		3
CLARKE	14		3	6	2	3				
FREDERICK	78		11	20	24	13	8	1		1
PAGE	22	1	4	4	4	4	5			
SHENANDOAH	43		7	9	16	6	3	1		1
WARREN	67		14	25	13	8	6	1		
WINCHESTER	39	1	8	11	7	5	3	3		1
DISTRICT 8	1,538	2	106	262	420	373	283	85	2	5
ARLINGTON	115		9	22	32	25	22	5		
FAIRFAX	760	1	32	108	191	211	159	53	1	4
LOUDOUN	77		7	12	17	25	11	5		
PRINCE WILLIAM	295		31	61	82	57	51	12		1
ALEXANDRIA	210	1	24	42	65	42	27	9		
FAIRFAX CITY	6				2	1	3			
FALLS CHURCH	7				2	1	4			
MANASSAS	58		3	15	23	9	6	1	1	
MANASSAS PARK	10			2	6	2				
DISTRICT 9	150	3	12	37	46	32	18	2		
CULPEPER	50		6	18	15	7	3	1		
FAUQUIER	60	2	4	10	17	19	8			
MADISON	5			1	2	1	1			
ORANGE	26	1	2	4	10	4	4	1		
RAPPAHANNOCK	9			4	2	1	2			
DISTRICT 10	240	2	23	51	65	53	31	7	2	6
ALBEMARLE	84		9	18	22	16	13	4	2	
FLUVANNA	21		1	6	5	8				1
GREENE	16		3	3	6	3	1			
LOUISA	31		4	6	9	9	1			2
NELSON	16	1		3	3	5	3			1
CHARLOTTESVILLE	72	1	6	15	20	12	13	3		2
DISTRICT 11	321	1	40	85	98	64	28	4		1
AMHERST	33		5	6	11	7	2	2		
APPOMATTOX	14		3	4	4	1	1	1		
BEDFORD	52		8	13	18	9	4			
CAMPBELL	49		5	15	14	10	4			1
BEDFORD CITY	29		3	9	9	6	1	1		
LYNCHBURG	144	1	16	38	42	31	16			

[continued]

TABLE 32
RESIDENT NATURAL FETAL DEATHS BY AGE OF MOTHER
BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE
VIRGINIA, 1990

PLANNING DISTRICT / CITY / COUNTY	TOTAL	AGE OF MOTHER							
		< 15	15-19	20-24	25-29	30-34	35-39	40-44	45 Up	Unk
STATE OF VIRGINIA	7,696	25	787	1,688	2,181	1,693	981	267	16	58
DISTRICT 12	325	2	40	80	91	66	31	11	2	2
FRANKLIN	58		6	12	15	14	8	3		
HENRY	56	1	8	17	15	9	3	3		
PATRICK	3			1	1	1				
PITTSYLVANIA	64		4	15	24	12	8		1	
DANVILLE	124		18	34	31	24	10	5	1	1
MARTINSVILLE	20	1	4	1	5	6	2			1
DISTRICT 13	78	1	11	25	19	10	10			2
BRUNSWICK	16	1	1	6	5	1	2			
HALIFAX	26		5	7	8	4	1			1
MECKLENBURG	27		5	10	5	2	5			
SOUTH BOSTON	9			2	1	3	2			1
DISTRICT 14	108		13	19	29	31	15	1		
AMELIA	14			3	2	5	4			
BUCKINGHAM	13		3		4	5	1			
CHARLOTTE	12		3	4	2	3				
CUMBERLAND	7			1	1	3	2			
LUNENBURG	23			5	11	3	3	1		
NOTTOWAY	16		4	1	4	5	2			
PRINCE EDWARD	23		3	5	5	7	3			
DISTRICT 15	1,068	1	71	175	303	293	158	47	2	18
CHARLES CITY COUNTY	3			2		1				
CHESTERFIELD	371		25	61	100	115	51	19		
GOOCHLAND	15		1	2		5	4	2		1
HANOVER	76		1	12	23	24	13	2		1
HENRICO	329	1	10	47	107	87	50	14		13
NEW KENT	11		1		3	4	2			1
POWHATAN	15		1	4	4	3		1	1	1
RICHMOND CITY	248		32	47	66	54	38	9	1	1
DISTRICT 16	144	1	11	29	62	27	7	6		1
CAROLINE	16		2	3	8	2	1			
KING GEORGE	8			1	4	2	1			
SPOTSYLVANIA	26	1		7	13	3	1			1
STAFFORD	33		2	8	11	7	1	4		
FREDERICKSBURG	61		7	10	26	13	3	2		
DISTRICT 17	21		5		8	5	2	1		
LANCASTER	3				2	1				
NORTHUMBERLAND	2				1		1			
RICHMOND	8		1		3	2	1	1		
WESTMORELAND	8		4		2	2				
DISTRICT 18	82		8	17	22	23	12			
ESSEX	8			2	4		2			
GLOUCESTER	38		5	8	9	13	3			
KING & QUEEN	6		1	2	2		1			
KING WILLIAM	15			4	3	5	3			
MATHEWS	7		1	1		2	3			
MIDDLESEX	8		1		4	3				
DISTRICT 19	274		43	78	69	54	20	9	1	
DINWIDDIE	31		7	8	7	4	3	2		
GREENSVILLE	4				1	3				
PRINCE GEORGE	28		2	8	7	6	4	1		
SURRY	6		1		1		2	2		
SUSSEX	21		3	7	4	2	4	1		
COLONIAL HEIGHTS	31		2	7	9	11	1	1		
EMPORIA	8		5	1	1	1				
HOPEWELL	37		4	15	8	9	1			
PETERSBURG	108		19	32	31	18	5	2	1	
DISTRICT 20	1,198	4	131	290	351	243	133	31	4	11
ISLE OF WIGHT	45	1	2	13	12	6	9	1	1	
SOUTHAMPTON	9		2	1	4	1	1			
CHESAPEAKE	196		15	46	57	50	17	8	1	2
FRANKLIN CITY	6		1	1	2	2				
NORFOLK	238	1	29	68	70	43	19	4		4
PORTSMOUTH	196		23	51	62	38	18	3	1	
SUFFOLK	75	2	14	15	23	10	9	1		1
VIRGINIA BEACH	433		45	95	121	93	60	14	1	4
DISTRICT 21	696	5	71	166	198	154	80	17	2	3
JAMES CITY COUNTY	27		4	6	6	7	3			1
YORK	34		4	6	5	11	5	2	1	
HAMPTON	237	1	18	62	67	47	35	5	1	1
NEWPORT NEWS	350	3	38	85	108	77	30	9		
POQUOSON	14		2	5	1	4	2			
WILLIAMSBURG	34	1	5	2	11	8	5	1		1
DISTRICT 22	56		10	14	13	11	5	3		
ACCOMACK	41		8	11	7	9	3	3		
NORTHAMPTON	15		2	3	6	2	2			
UNKNOWN	1				1					

TABLE 33
RESIDENT NATURAL FETAL DEATHS
LENGTH OF GESTATION BY RACE BY CAUSE OF DEATH
VIRGINIA, 1990

CAUSES OF NATURAL FETAL DEATHS	TOTAL			LENGTH OF GESTATION								
				Less Than 20 Weeks			20-27 Weeks			28 Weeks And Over		
	Total	White	Nonwh	Total	White	Nonwh	Total	White	Nonwh	Total	White	Nonwh
ALL CAUSES	7,696	5,544	2,152	6,921	5,089	1,832	408	217	191	367	238	129
Diseases of Genitourinary System	5	4	1	4	3	1	1	1				
Hydatidiform Mole	31	22	9	29	20	9	2	2				
Blighted Ovum	460	387	73	459	387	72	1		1			
Complications Mainly Related to Pregnancy	19	10	9	8	3	5	8	6	2	3	1	2
Other Indications for Care in Pregnancy, Labor and Delivery	6	3	3	5	3	2				1		1
Congenital Anomalies	47	37	10	19	16	3	14	11	3	14	10	4
Maternal Conditions Which May be Unrelated to Present Pregnancy	38	20	18	18	12	6	8	3	5	12	5	7
Incompetent Cervix	40	18	22	25	12	13	15	6	9			
Premature Rupture of Membranes	53	28	25	34	17	17	19	11	8			
Ectopic Pregnancy	781	507	274	781	507	274						
Spontaneous Abortion	3,592	2,779	813	3,550	2,762	788	34	14	20	8	3	5
Other Placental Separation and Hemorrhage	236	147	89	181	116	65	20	11	9	35	20	15
Other Abnormalities of Placenta	55	49	6	26	23	3	9	8	1	20	18	2
Other and Unspecified Conditions of Umbilical Cord	97	73	24	22	15	7	19	15	4	56	43	13
Chorioamnionitis	33	20	13	19	13	6	12	6	6	2	1	1
Immaturity	80	43	37	39	29	10	37	11	26	4	3	1
Intrauterine Hypoxia and Asphyxia	31	19	12	23	14	9	2	1	1	6	4	2
Fetal Hemorrhage	1	1		1	1							
Hemolytic Disease	2	1	1				2	1	1			
Other, Ill Defined and Unknown Causes	2,089	1,376	713	1,678	1,136	542	205	110	95	206	130	76

TABLE 34
NEONATAL DEATHS WITH RATES PER 1,000 LIVE BIRTHS BY RACE
BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE
VIRGINIA, 1990

PLANNING DISTRICT / CITY OR COUNTY	NUMBER			RATE		
	Total	White	Nonwhite	Total	White	Nonwhite
STATE OF VIRGINIA	691	354	337	7.0	4.9	12.5
DISTRICT 1	8	8		6.6	6.8	0.0
LEE	2	2		6.8	6.9	0.0
SCOTT				0.0	0.0	0.0
WISE	6	6		10.3	10.5	0.0
NORTON				0.0	0.0	0.0
DISTRICT 2	5	5		3.5	3.6	0.0
BUCHANAN	2	2		5.4	5.5	0.0
DICKENSON	1	1		5.4	5.4	
RUSSELL	2	2		6.3	6.4	0.0
TAZEWELL				0.0	0.0	0.0
DISTRICT 3	9	8	1	4.3	4.0	20.0
BLAND				0.0	0.0	
CARROLL				0.0	0.0	0.0
GRAYSON				0.0	0.0	0.0
SMYTH	2	2		4.8	4.9	0.0
WASHINGTON	3	3		5.7	5.8	0.0
WYTHE				0.0	0.0	0.0
BRISTOL	3	2	1	14.1	10.0	76.9
GALAX	1	1		11.0	12.2	0.0
DISTRICT 4	9	7	2	5.0	4.3	12.7
FLOYD				0.0	0.0	0.0
GILES				0.0	0.0	0.0
MONTGOMERY	6	5	1	6.7	6.3	9.8
PULASKI	1	1		2.3	2.6	0.0
RADFORD	2	1	1	14.2	7.8	76.9
DISTRICT 5	23	14	9	6.8	5.0	15.1
ALLEGHANY	2	1	1	12.8	6.8	125.0
BOTETOURT	1		1	3.9	0.0	125.0
CRAIG	1	1		16.1	16.1	
ROANOKE	7	7		9.6	9.9	0.0
CLIFTON FORGE				0.0	0.0	0.0
COVINGTON				0.0	0.0	0.0
ROANOKE CITY	12	5	7	6.8	4.1	13.2
SALEM				0.0	0.0	0.0
DISTRICT 6	6	5	1	2.1	1.9	5.7
AUGUSTA	1		1	1.4	0.0	40.0
BATH				0.0	0.0	0.0
HIGHLAND				0.0	0.0	
ROCKBRIDGE	1	1		5.0	5.2	0.0
ROCKINGHAM	2	2		2.6	2.6	0.0
BUENA VISTA	1	1		11.6	12.3	0.0
HARRISONBURG				0.0	0.0	0.0
LEXINGTON				0.0	0.0	0.0
STAUNTON	1	1		3.1	3.7	0.0
WAYNESBORO				0.0	0.0	0.0
DISTRICT 7	13	11	2	5.4	4.7	15.7
CLARKE	1	1		6.2	6.8	0.0
FREDERICK	1	1		1.5	1.5	0.0
PAGE				0.0	0.0	0.0
SHENANDOAH	5	4	1	11.6	9.5	111.1
WARREN	4	4		9.3	9.9	0.0
WINCHESTER	2	1	1	4.5	2.6	18.9
DISTRICT 8	113	77	36	4.6	3.8	7.8
ARLINGTON	13	8	5	4.9	4.1	7.3
FAIRFAX	60	44	16	4.8	4.4	6.2
LOUDOUN	7	5	2	4.2	3.3	13.1
PRINCE WILLIAM	17	9	8	3.9	2.5	10.7
ALEXANDRIA	11	5	6	5.6	4.0	8.5
FAIRFAX CITY				0.0	0.0	0.0
FALLS CHURCH				0.0	0.0	0.0
MANASSAS	4	2	2	7.0	4.1	25.0
MANASSAS PARK				0.0	0.0	0.0
DISTRICT 9	7	4	3	3.9	2.6	11.0
CULPEPER	1	1		2.0	2.0	0.0
FAUQUIER	5	2	3	6.6	3.0	37.5
MADISON				0.0	0.0	0.0
ORANGE	1	1		3.3	3.9	0.0
RAPPAHANNOCK				0.0	0.0	
DISTRICT 10	12	10	2	5.0	5.4	3.9
ALBEMARLE	6	5	1	8.5	8.3	7.6
FLUVANNA	1	1		4.4	6.1	0.0
GREENE				0.0	0.0	0.0
LOUISA	4	4		12.9	17.4	0.0
NELSON				0.0	0.0	0.0
CHARLOTTESVILLE	1		1	1.7	0.0	5.0

PLANNING DISTRICT / CITY OR COUNTY	NUMBER			RATE		
	Total	White	Nonwhite	Total	White	Nonwhite
DISTRICT 11	15	10	5	5.1	4.6	6.7
AMHERST				0.0	0.0	0.0
APPOMATTOX	1		1	6.4	0.0	19.2
BEDFORD	7	5	2	11.7	9.1	40.0
CAMPBELL	3	2	1	4.6	3.8	8.2
BEDFORD CITY				0.0	0.0	0.0
LYNCHBURG	4	3	1	3.8	4.6	2.5
DISTRICT 12	24	12	12	7.5	5.7	10.7
FRANKLIN	6	4	2	12.1	9.3	29.9
HENRY	3	2	1	3.7	3.5	4.2
PATRICK	1	1		5.3	6.0	0.0
PITTSYLVANIA	2	1	1	3.5	2.7	4.8
DANVILLE	9	4	5	9.8	9.0	10.4
MARTINSVILLE	3		3	14.0	0.0	29.4
DISTRICT 13	9	1	8	8.5	1.9	14.7
BRUNSWICK	4		4	19.8	0.0	29.6
HALIFAX	3	1	2	8.3	5.0	12.2
MECKLENBURG	2		2	5.3	0.0	11.0
SOUTH BOSTON				0.0	0.0	0.0
DISTRICT 14	13	3	10	10.7	4.9	16.7
AMELIA	1		1	6.8	0.0	18.5
BUCKINGHAM	1	1		5.1	13.0	0.0
CHARLOTTE	4	2	2	20.8	18.7	23.5
CUMBERLAND				0.0	0.0	0.0
LUNENBURG	1		1	7.6	0.0	16.9
NOTTOWAY	3		3	15.0	0.0	33.0
PRINCE EDWARD	3		3	13.7	0.0	23.1
DISTRICT 15	106	39	67	8.8	5.0	15.3
CHARLES CITY COUNTY				0.0	0.0	0.0
CHESTERFIELD	18	12	6	5.2	4.2	10.6
GOOCHLAND				0.0	0.0	0.0
HANOVER	9	7	2	9.4	8.2	19.0
HENRICO	28	14	14	8.3	5.7	15.4
NEW KENT	1		1	6.1	0.0	30.3
POWHATAN	2	1	1	9.8	5.6	37.0
RICHMOND CITY	48	5	43	13.0	4.7	16.4
DISTRICT 16	23	19	4	7.6	7.6	7.6
CAROLINE	2	1	1	6.2	5.1	7.9
KING GEORGE				0.0	0.0	0.0
SPOTSYLVANIA	7	5	2	7.8	6.4	18.3
STAFFORD	10	10		9.9	11.0	0.0
FREDERICKSBURG	4	3	1	6.8	6.7	7.0
DISTRICT 17	4	2	2	6.9	5.8	8.4
LANCASTER	2	1	1	14.0	12.8	15.4
NORTHUMBERLAND				0.0	0.0	0.0
RICHMOND				0.0	0.0	0.0
WESTMORELAND	2	1	1	8.1	6.8	10.2
DISTRICT 18	7	4	3	6.7	5.1	11.8
ESSEX	2		2	14.8	0.0	29.4
GLOUCESTER	3	3		6.3	7.1	0.0
KING & QUEEN	1		1	10.9	0.0	25.0
KING WILLIAM				0.0	0.0	0.0
MATHEWS				0.0	0.0	0.0
MIDDLESEX	1	1		11.9	17.2	0.0
DISTRICT 19	26	3	23	10.1	2.4	17.3
DINWIDDIE	1	1		3.7	5.8	0.0
GREENSVILLE				0.0	0.0	0.0
PRINCE GEORGE	3	1	2	7.1	3.6	13.9
SURRY				0.0	0.0	0.0
SUSSEX	2		2	12.7	0.0	19.2
COLONIAL HEIGHTS				0.0	0.0	0.0
EMPORIA	5		5	43.1	0.0	65.8
HOPEWELL	4		4	9.4	0.0	29.4
PETERSBURG	11	1	10	14.4	6.9	16.2
DISTRICT 20	126	84	112	10.0	6.8	15.7
ISLE OF WIGHT	3		3	9.0	0.0	22.9
SOUTHAMPTON	1		1	5.0	0.0	10.3
CHESAPEAKE	22	12	10	8.5	7.0	11.4
FRANKLIN CITY	3	1	2	15.9	12.3	18.5
NORFOLK	73	21	52	13.1	7.4	19.1
PORTSMOUTH	29	11	18	13.6	11.0	15.9
SUFFOLK	16	6	10	18.8	15.2	21.8
VIRGINIA BEACH	49	33	16	6.4	5.4	10.1
DISTRICT 21	62	12	50	8.6	7.4	10.6
JAMES CITY COUNTY	3	3		9.1	7.7	0.0
YORK	4	4		9.1	11.4	0.0
HAMPTON	16	7	9	6.7	5.1	8.7
NEWPORT NEWS	38	18	20	10.7	8.9	13.1
POQUOSON				0.0	0.0	0.0
WILLIAMSBURG	1		1	6.0	0.0	16.9
DISTRICT 22	2		2	3.3	0.0	5.4
ACCOMACK	2		2	4.3	0.0	7.9
NORTHAMPTON				0.0	0.0	0.0

TABLE 35
INFANT DEATHS BY PLACE OF OCCURRENCE AND PLACE OF RESIDENCE WITH RESIDENT RATE PER 1,000 LIVE BIRTHS BY RACE BY PLANNING DISTRICT AND CITY OR COUNTY
VIRGINIA, 1990

PLANNING DISTRICT CITY / COUNTY	DEATHS UNDER ONE YEAR								
	PLACE OF OCCURRENCE			PLACE OF RESIDENCE					
				Number			Rate		
	Total	White	Nonwhite	Total	White	Nonwhite	Total	White	Nonwhite
STATE OF VIRGINIA	968	497	471	1,005	532	473	10.2	7.4	17.5
DISTRICT 1	7	7		10	10		8.3	8.5	0.0
LEE				2	2		6.8	6.9	0.0
SCOTT	1	1		1	1		4.0	4.0	0.0
WISE	5	5		7	7		12.0	12.3	0.0
NORTON	1	1					0.0	0.0	0.0
DISTRICT 2	5	5		8	8		5.6	5.7	0.0
BUCHANAN	3	3		4	4		10.9	11.0	0.0
DICKENSON				1	1		5.4	5.4	
RUSSELL				2	2		6.3	6.4	0.0
TAZEWELL	2	2		1	1		1.8	1.9	0.0
DISTRICT 3	6	6		15	14	1	7.2	6.9	20.0
BLAND							0.0	0.0	
CARROLL				1	1		3.2	3.2	0.0
GRAYSON	1	1		3	3		17.4	18.0	0.0
SMYTH				4	4		9.6	9.7	0.0
WASHINGTON	4	4		3	3		5.7	5.8	0.0
WYTHE							0.0	0.0	0.0
BRISTOL				3	2	1	14.1	10.0	76.9
GALAX	1	1		1	1		11.0	12.2	0.0
DISTRICT 4	10	9	1	17	15	2	9.5	9.2	12.7
FLOYD				1	1		7.6	7.8	0.0
GILES	3	3		2	2		10.4	10.6	0.0
MONTGOMERY	6	5	1	8	7	1	8.9	8.8	9.8
PULASKI	1	1		4	4		9.4	10.3	0.0
RADFORD				2	1	1	14.2	7.8	76.9
DISTRICT 5	48	30	18	37	23	14	10.9	9.2	23.5
ALLEGHANY	1	1		3	2	1	19.2	13.5	125.0
BOTETOURT				2	1	1	7.8	4.0	125.0
CRAIG				1	1		16.1	16.1	
ROANOKE				9	8	1	12.3	11.3	43.5
CLIFTON FORGE				1	1		24.4	32.3	0.0
COVINGTON							0.0	0.0	0.0
ROANOKE CITY	44	26	18	21	10	11	11.9	8.1	20.7
SALEM	3	3					0.0	0.0	0.0
DISTRICT 6	7	6	1	11	9	2	3.8	3.3	11.5
AUGUSTA	2	2		3	2	1	4.3	3.0	40.0
BATH							0.0	0.0	0.0
HIGHLAND							0.0	0.0	
ROCKBRIDGE				1	1		5.0	5.2	0.0
ROCKINGHAM				3	3		3.9	3.9	0.0
BUENA VISTA				1	1		11.6	12.3	0.0
HARRISONBURG	3	3					0.0	0.0	0.0
LEXINGTON	1	1					0.0	0.0	0.0
STAUNTON							0.0	0.0	0.0
WAYNESBORO	1		1	3	2	1	9.2	7.4	17.9
DISTRICT 7	10	8	2	18	16	2	7.6	7.1	15.7
CLARKE				2	2		12.4	13.5	0.0
FREDERICK				4	4		5.9	6.1	0.0
PAGE							0.0	0.0	0.0
SHENANDOAH	2	2		6	5	1	13.9	11.8	111.1
WARREN	1	1		4	4		9.3	9.9	0.0
WINCHESTER	7	5	2	2	1	1	4.5	2.6	18.9
DISTRICT 8	142	93	49	162	108	54	6.7	5.6	10.8
ARLINGTON	14	10	4	19	13	6	6.1	5.1	8.7
FAIRFAX	94	63	31	85	64	21	6.7	6.4	8.2
LOUDOUN	4	3	1	12	9	3	7.2	6.0	19.6
PRINCE WILLIAM	11	7	4	27	15	12	6.1	4.1	16.0
ALEXANDRIA	14	8	6	15	6	9	7.7	4.8	12.8
FAIRFAX CITY				1	1		3.9	4.7	0.0
FALLS CHURCH							0.0	0.0	0.0
MANASSAS	5	2	3	6	3	3	10.5	6.1	37.5
MANASSAS PARK							0.0	0.0	0.0
DISTRICT 9	2		2	5	1	4	5.0	3.3	14.7
CULPEPER				1	1		4.2	2.6	7.2
FAUQUIER	2		2	4	1	3	7.9	4.4	37.5
MADISON							0.0	0.0	0.0
ORANGE				1	1		3.3	3.9	0.0
RAPPAHANNOCK							0.0	0.0	
DISTRICT 10	60	38	22	25	16	9	10.5	8.6	17.4
ALBEMARLE	38	36	2	4	2	2	9.8	8.9	15.2
FLUVANNA				2	1	1	8.8	6.1	16.1
GREENE				3	2	1	17.0	12.3	76.9
LOUISA				4	4		12.9	17.4	0.0
NELSON				1		1	6.3	0.0	33.3
CHARLOTTESVILLE	2	2		6	2	4	10.1	5.1	19.8
DISTRICT 11	13	10	3	10	12	8	6.8	5.5	10.8
AMHERST							0.0	0.0	0.0
APPOMATTOX				2		2	12.8	0.0	38.5
BEDFORD				8	6	2	13.4	10.9	40.0
CAMPBELL				5	3	2	7.6	5.6	16.4
BEDFORD CITY	2	1	1	1		1	11.9	0.0	38.5
LYNCHBURG	11	9	2	4	3	1	3.8	4.6	2.5

[continued]

TABLE 35
INFANT DEATHS BY PLACE OF OCCURRENCE AND PLACE OF RESIDENCE WITH RESIDENT RATE PER 1,000 LIVE BIRTHS BY RACE BY PLANNING DISTRICT AND CITY OR COUNTY
VIRGINIA, 1990

PLANNING DISTRICT CITY / COUNTY	DEATHS UNDER ONE YEAR								
	PLACE OF OCCURRENCE			PLACE OF RESIDENCE					
				Number			Rate		
	Total	White	Nonwhite	Total	White	Nonwhite	Total	White	Nonwhite
STATE OF VIRGINIA	968	497	471	1,005	532	473	10.2	7.4	17.5
DISTRICT 12	16	9	7	39	22	17	12.1	10.5	15.2
FRANKLIN	1	1		8	6	2	16.1	14.0	29.9
HENRY				6	5	1	7.4	8.8	4.2
PATRICK	1	1		2	2		10.6	11.9	0.0
PITTSYLVANIA	1		1	5	4	1	8.7	10.9	4.8
DANVILLE	10	5	5	15	5	10	16.3	11.3	20.8
MARTINSVILLE	3	2	1	3		3	14.0	0.0	29.4
DISTRICT 13	3	1	2	15	3	12	14.1	5.8	22.0
BRUNSWICK				6	1	5	29.7	14.9	37.0
HALIFAX				4	1	3	11.0	5.0	18.3
MECKLENBURG				4	1	3	10.6	5.1	16.5
SOUTH BOSTON	3	1	2	1		1	8.5	0.0	15.4
DISTRICT 14	4	1	3	15	4	11	12.4	6.5	18.4
AMELIA				1		1	6.8	0.0	18.5
BUCKINGHAM	1		1	2	1	1	10.2	13.0	8.4
CHARLOTTE				4	2	2	20.8	18.7	23.5
CUMBERLAND							0.0	0.0	0.0
LUNENBURG				2	1	1	15.2	13.7	16.9
NOTTOWAY	1		1	3		3	15.0	0.0	33.0
PRINCE EDWARD	2	1	1	3		3	13.7	0.0	23.1
DISTRICT 15	201	82	119	136	54	82	11.2	7.0	18.8
CHARLES CITY COUNTY							0.0	0.0	0.0
CHESTERFIELD	1	1		23	17	6	6.7	5.9	10.6
GOOCHLAND							0.0	0.0	0.0
HANOVER				12	9	3	12.6	10.6	28.6
HENRICO	25	15	10	36	16	20	10.6	6.5	22.0
NEW KENT				1		1	6.1	0.0	30.3
POWHATAN				3	2	1	14.7	11.3	37.0
RICHMOND CITY	175	66	109	61	10	51	16.5	9.4	19.4
DISTRICT 16	12	8	4	31	25	6	10.2	10.0	11.5
CAROLINE				4	2	2	12.5	10.3	15.9
KING GEORGE							0.0	0.0	0.0
SPOTSYLVANIA				8	6	2	9.0	7.7	18.3
STAFFORD	1	1		13	12	1	12.9	13.2	10.6
FREDERICKSBURG	11	7	4	6	5	1	10.2	11.2	7.0
DISTRICT 17	2		2	7	3	4	12.1	8.8	16.8
LANCASTER	2		2	4	1	3	28.0	12.8	46.2
NORTHUMBERLAND							0.0	0.0	0.0
RICHMOND							0.0	0.0	0.0
WESTMORELAND				3	2	1	12.2	13.5	10.2
DISTRICT 18	2		2	10	5	5	9.6	6.4	19.6
ESSEX				3		3	22.2	0.0	44.1
GLOUCESTER	1		1	4	3	1	8.4	7.1	18.2
KING & QUEEN				1		1	10.9	0.0	25.0
KING WILLIAM	1		1				0.0	0.0	0.0
MATHEWS							0.0	0.0	0.0
MIDDLESEX				2	2		23.8	24.5	0.0
DISTRICT 19	22	4	18	38	8	30	14.8	6.5	22.6
DINWIDDIE	1	1		2	1	1	7.4	5.8	10.1
GREENSVILLE							0.0	0.0	0.0
PRINCE GEORGE				4	2	2	9.4	7.1	13.9
SURRY	1		1	2		2	22.0	0.0	40.0
SUSSEX	1		1	4	1	3	25.5	18.9	28.8
COLONIAL HEIGHTS							0.0	0.0	0.0
EMPORIA	6		6	5		5	43.1	0.0	65.8
HOPEWELL	2	1	1	8	3	5	18.8	10.3	36.8
PETERSBURG	11	2	9	13	1	12	17.0	6.9	19.4
DISTRICT 20	339	159	180	284	125	159	14.5	10.0	22.3
ISLE OF WIGHT	1		1	5	1	4	13.4	4.1	30.5
SOUTHAMPTON				1		1	5.0	0.0	10.3
CHESAPEAKE	13	8	5	32	18	14	12.3	10.5	15.9
FRANKLIN CITY	2		2	4	1	3	21.2	12.3	27.8
NORFOLK	234	105	129	109	31	78	19.6	10.9	28.7
PORTSMOUTH	49	23	26	40	15	25	18.7	14.9	22.1
SUFFOLK	9	4	5	21	10	11	24.6	25.4	24.0
VIRGINIA BEACH	31	19	12	72	49	23	9.4	8.1	14.4
DISTRICT 21	48	21	27	93	47	46	13.0	10.8	16.1
JAMES CITY COUNTY	1	1		4	4		8.2	10.5	0.0
YORK				8	7	1	18.2	19.9	11.5
HAMPTON	15	4	11	26	11	15	10.8	8.0	14.5
NEWPORT NEWS	31	15	16	54	25	29	15.2	12.4	19.0
POQUOSON							0.0	0.0	0.0
WILLIAMSBURG	1	1		1		1	6.0	0.0	16.9
DISTRICT 22	3		3	5		5	7.5	0.0	13.6
ACCOMACK				4		4	8.5	0.0	15.7
NORTHAMPTON	3		3	1		1	4.9	0.0	8.8

TABLE 36

PERINATAL DEATH RATE WITH INFANT DEATHS UNDER ONE WEEK AND FETAL DEATHS 28 WEEKS AND OVER GESTATION, BY RACE BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE
VIRGINIA, 1990

PLANNING DISTRICT CITY / COUNTY	INFANT DEATHS UNDER ONE WEEK			FETAL DEATHS 28 WEEKS AND OVER			PERINATAL RATE		
	Total	White	Nonwhite	Total	White	Nonwhite	Total	White	Nonwhite
STATE OF VIRGINIA	584	295	289	367	238	129	9.6	7.4	15.4
DISTRICT 1	7	7		3	2	1	8.3	7.6	37.0
LEE	2	2		1		1	10.2	6.9	333.3
SCOTT				1	1		4.0	4.0	0.0
WISE	5	5		1	1		10.2	10.5	0.0
NORTON							0.0	0.0	0.0
DISTRICT 2	5	5		7	7		8.4	8.6	0.0
BUCHANAN	2	2		3	3		13.5	13.6	0.0
DICKENSON	1	1					5.4	5.4	
RUSSELL	2	2		2	2		12.5	12.7	0.0
TAZEWELL				2	2		3.6	3.7	0.0
DISTRICT 3	6	5	1	13	12	1	9.1	8.4	39.2
BLAND							0.0	0.0	
CARROLL				4	4		12.6	12.7	0.0
GRAYSON				1	1		5.8	6.0	0.0
SMITH	2	2		1	1		7.2	7.3	0.0
WASHINGTON	2	2		4	4		11.3	11.5	0.0
WYTHE				3	2	1	10.7	7.4	111.1
BRISTOL	2	1	1				9.4	5.0	76.9
GALAX							0.0	0.0	0.0
DISTRICT 4	7	5	2	10	10		9.5	9.2	12.7
FLOYD							0.0	0.0	0.0
GILES				2	2		10.3	10.5	0.0
MONTGOMERY	4	3	1	4	4		8.9	8.8	9.8
PULASKI	1	1		4	4		11.6	12.7	0.0
RADFORD	2	1	1				14.2	7.8	76.9
DISTRICT 5	19	11	8	12	10	2	9.1	7.5	16.8
ALLEGHANY	2	1	1				12.8	6.8	125.0
BOTETOURT	1		1				3.9	0.0	125.0
CRAIG							0.0	0.0	
ROANOKE	6	6		5	5		14.9	15.4	0.0
CLIFTON FORGE							0.0	0.0	0.0
COVINGTON							0.0	0.0	0.0
ROANOKE CITY	10	4	6	6	4	2	9.1	6.5	15.0
SALEM				1	1		3.3	3.4	0.0
DISTRICT 6	4	4		16	16		6.9	7.4	0.0
AUGUSTA				2	2		2.9	3.0	0.0
BATH				1	1		19.6	20.4	0.0
HIGHLAND							0.0	0.0	
ROCKBRIDGE	1	1					5.0	5.2	0.0
ROCKINGHAM	2	2		9	9		14.0	14.2	0.0
BUENA VISTA	1	1					11.6	12.3	0.0
HARRISONBURG				1	1		2.7	3.0	0.0
LEXINGTON				1	1		14.1	15.9	0.0
STAUNTON				2	2		6.1	7.4	0.0
WAYNESBORO							0.0	0.0	0.0
DISTRICT 7	11	9	2	9	8	1	8.3	7.5	23.4
CLARKE	1	1					6.2	6.8	0.0
FREDERICK				4	4		5.9	6.0	0.0
PAGE				1	1		4.0	4.1	0.0
SHENANDOAH	5	4	1	1	1		13.9	11.9	111.1
WARREN	3	3		3	2	1	13.8	12.3	33.3
WINCHESTER	2	1	1				4.5	2.6	18.9
DISTRICT 8	93	62	31	62	50	12	6.4	5.8	8.6
ARLINGTON	12	8	4	7	7	2	7.9	7.7	8.7
FAIRFAX	53	39	14	27	24	3	6.3	6.3	6.6
LOUDOUN	3	2	1	3	3		3.6	3.3	6.5
PRINCE WILLIAM	13	7	6	13	9	4	5.9	4.4	13.3
ALEXANDRIA	8	4	4	7	5	2	7.7	7.2	8.5
FAIRFAX CITY							0.0	0.0	0.0
FALLS CHURCH							0.0	0.0	0.0
MANASSAS	4	2	2	3	2	1	12.2	8.1	37.0
MANASSAS PARK							0.0	0.0	0.0
DISTRICT 9	5	3	2	6	5	1	6.1	5.2	11.0
CULPEPER	1	1		2	2		6.2	7.9	0.0
FAUQUIER	3	1	2	3	2	1	7.9	4.4	37.0
MADISON							0.0	0.0	0.0
ORANGE	1	1		1	1		6.5	7.8	0.0
RAPPAHANNOCK							0.0	0.0	
DISTRICT 10	11	9	2	14	10	4	10.4	10.1	11.5
ALBEMARLE	6	5	1	4	4		14.0	11.4	29.6
FLUVANNA	1	1					4.4	6.1	0.0
GREENE				2	1	1	11.2	6.1	71.4
LOUISA	3	3		1	1		12.9	17.3	0.0
NELSON				0			0.0	0.0	0.0
CHARLOTTESVILLE	1		1	4	4		8.4	10.2	9.0
DISTRICT 11	13	10	3	16	12	4	9.8	10.0	9.4
AMHERST				3	2	1	7.7	6.8	10.5
APPOMATTOX				1	1		6.4	9.5	0.0
BEDFORD	7	5	2	2	2		15.0	12.7	40.0
CAMPBELL	3	2	1	5	5		12.1	13.0	9.2
BEDFORD CITY				1	1		11.8	16.9	0.0
LYNCHBURG	3	3		4	1	3	6.6	6.1	7.5

[continued]

TABLE 36
PERINATAL DEATH RATE WITH INFANT DEATHS UNDER ONE WEEK AND FETAL DEATHS 28 WEEKS AND OVER GESTATION, BY RACE BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE
VIRGINIA, 1990

PLANNING DISTRICT CITY / COUNTY	INFANT DEATHS UNDER ONE WEEK			FETAL DEATHS 28 WEEKS AND OVER			PERINATAL RATE		
	Total	White	Nonwhite	Total	White	Nonwhite	Total	White	Nonwhite
STATE OF VIRGINIA	584	295	289	367	238	129	9.6	7.4	15.4
DISTRICT 12	20	10	10	15	7	8	10.8	8.1	16.0
FRANKLIN	6	4	2	4	3	1	20.0	16.2	44.1
HENRY	3	2	1	3	2	1	7.4	7.0	8.3
PATRICK	1	1					5.3	6.0	0.0
PITTSYLVANIA	1		1	3	1	2	6.9	2.7	14.2
DANVILLE	6	3	3	3		3	9.7	6.8	12.4
MARTINSVILLE	3		3	2	1	1	23.0	8.8	38.8
DISTRICT 13	7		7	8	1	7	14.0	1.9	25.3
BRUNSWICK	4		4	3		3	34.1	0.0	50.7
HALIFAX	2		2	2		2	11.0	0.0	24.1
MECKLENBURG	1		1	3	1	2	10.5	5.1	16.3
SOUTH BOSTON							0.0	0.0	0.0
DISTRICT 14	11	3	8	6	2	4	14.0	8.1	19.9
AMELIA	1		1				6.8	0.0	18.5
BUCKINGHAM	1	1		2		2	15.2	13.0	18.5
CHARLOTTE	4	2	2	1	1		25.9	27.8	23.5
CUMBERLAND				1	1		8.0	15.6	0.0
LUNENBURG	1		1	1		1	15.0	0.0	33.3
NOTTOWAY	1		1	1		1	10.0	0.0	21.7
PRINCE EDWARD	3		3				13.7	0.0	23.1
DISTRICT 15	85	30	55	49	24	25	11.0	7.0	18.2
CHARLES CITY COUNTY				1		1	12.3	0.0	20.8
CHESTERFIELD	14	8	6	10	8	2	7.0	5.6	14.1
GOOCHLAND				1	1		5.2	7.6	0.0
HANOVER	7	6	1				7.3	7.1	9.5
HENRICO	24	11	13	10	5	5	10.0	6.5	19.7
NEW KENT	1		1	2	2		18.2	15.2	30.3
POWHATAN	2	1	1	1		1	14.6	5.6	71.4
RICHMOND CITY	37	4	33	24	8	16	16.4	11.2	18.6
DISTRICT 16	21	17	4	7	6	1	9.2	9.1	9.5
CAROLINE	2	1	1	1		1	9.3	5.1	15.7
KING GEORGE							0.0	0.0	0.0
SPOTSYLVANIA	6	4	2	2	2		8.9	7.6	18.3
STAFFORD	9	9		4	4		12.9	14.2	0.0
FREDERICKSBURG	4	3	1				6.8	6.7	7.0
DISTRICT 17	3	2	1	5	2	3	13.7	11.6	16.6
LANCASTER	2	1	1	1		1	20.8	12.8	30.3
NORTHUMBERLAND							0.0	0.0	0.0
RICHMOND				1		1	12.5	0.0	31.3
WESTMORELAND	1	1		3	2	1	16.1	20.0	10.1
DISTRICT 18	6	4	2	5	4	1	10.5	10.2	11.7
ESSEX	2		2				14.8	0.0	29.4
GLOUCESTER	3	3		2	1	1	10.4	9.4	17.9
KING & QUEEN				1	1		10.8	18.9	0.0
KING WILLIAM				1	1		5.6	8.1	0.0
MATHEWS				1	1		13.3	16.1	0.0
MIDDLESEX	1	1					11.9	17.2	0.0
DISTRICT 19	25	3	22	10	4	6	13.6	5.6	21.0
DINWIDDIE	1	1		1	1		7.4	11.6	0.0
GREENSVILLE							0.0	0.0	0.0
PRINCE GEORGE	3	1	2	2	1	1	11.7	7.1	20.7
SURRY							0.0	0.0	0.0
SUSSEX	2		2				12.7	0.0	19.2
COLONIAL HEIGHTS				1		1	5.3	0.0	47.6
EMPORIA	5		5				43.1	0.0	65.8
HOPEWELL	4		4	3	2	1	16.3	6.8	36.5
PETERSBURG	10	1	9	3		3	16.9	6.9	19.3
DISTRICT 20	168	69	99	65	30	35	11.9	7.9	18.7
ISLE OF WIGHT	3		3	1	1		10.7	4.1	22.9
SOUTHAMPTON							0.0	0.0	0.0
CHESAPEAKE	16	6	10	12	5	7	10.8	6.4	19.1
FRANKLIN CITY	3	1	2				15.9	12.3	18.5
NORFOLK	67	20	47	18	7	11	15.2	9.5	21.2
PORTSMOUTH	24	7	17	12	2	10	16.8	8.9	23.6
SUFFOLK	11	5	6	3		3	16.4	12.7	19.5
VIRGINIA BEACH	44	30	14	19	15	4	8.2	7.4	11.3
DISTRICT 21	56	27	29	28	15	13	11.7	9.6	14.9
JAMES CITY COUNTY	2	2		2	2		4.0	5.2	0.0
YORK	4	4		1	1		11.4	14.2	0.0
HAMPTON	14	6	8	6	4	2	8.3	7.3	9.7
NEWPORT NEWS	37	17	20	18	8	10	15.4	12.3	19.5
POQUOSON							0.0	0.0	0.0
WILLIAMSBURG	1		1	1		1	12.0	0.0	33.3
DISTRICT 22	1		1	1	1		3.0	3.3	2.7
ACCOMACK	1		1				2.1	0.0	3.9
NORTHAMPTON				1	1		4.9	11.0	0.0

$$\text{Perinatal Rate} = \frac{\text{Infant Deaths Under One Week \& Fetal Deaths 28 Weeks and Over}}{\text{Live Births \& Fetal Deaths 28 Weeks and Over}} \times 1{,}000$$

TABLE 37
RESIDENT INFANT DEATHS BY CAUSE OF DEATH BY RACE AND SEX
WITH RATES PER 100,000 LIVE BIRTHS
VIRGINIA, 1990

CAUSES OF INFANT DEATHS (Numbers Refer to International Classification of Diseases, 9th Revision)	INFANT DEATHS					INFANT DEATH RATES				
	TOTAL DEATHS	White Male	White Female	Nonwh Male	Nonwh Female	TOTAL RATES	White Male	White Female	Nonwh Male	Nonwh Female
STATE OF VIRGINIA	1,005	306	226	267	206	1,017.7	830.8	646.8	1,954.2	1,547.4
Certain Intestinal Infections (008-009)	3		1	2		3.0	0.0	2.9	14.6	0.0
Whooping Cough (033)						0.0	0.0	0.0	0.0	0.0
Meningococcal Infections (036)	1	1				1.0	2.7	0.0	0.0	0.0
Septicemia (038)	8	1	2	3	2	8.1	2.7	5.7	22.0	15.0
Viral Diseases (045-079)	1			1		1.0	0.0	0.0	7.3	0.0
Congenital Syphilis (090)										
Other Infectious and Parasitic Diseases (Residual of 001-139)						0.0	0.0	0.0	0.0	0.0
Malignant Neoplasms (140-208)						0.0	0.0	0.0	0.0	0.0
Benign Neoplasms and Neoplasms of Unspecified Nature (210-239)						0.0	0.0	0.0	0.0	0.0
Diseases of Thymus Gland (254)	2	1		1		2.0	2.7	0.0	7.3	0.0
Cystic Fibrosis (2770)						0.0	0.0	0.0	0.0	0.0
Diseases of Blood and Blood-Forming Organs (280-289)						0.0	0.0	0.0	0.0	0.0
Meningitis (320-322)	2		2			2.0	0.0	5.7	0.0	0.0
Other Diseases of Nervous System and Sense Organs (323-389)	5	2	2		1	5.1	5.4	5.7	0.0	7.5
Acute Upper Respiratory Infections (460-465)	16	5	5	3	3	16.2	13.6	14.3	22.0	22.5
Bronchitis and Bronchiolitis (466, 490-491)	1	1				1.0	2.7	0.0	0.0	0.0
	1	1				1.0	2.7	0.0	0.0	0.0
Pneumonia and Influenza (480-487)	11	1	3	4	3	11.1	2.7	8.6	29.3	22.5
Pneumonia (480-486)	11	1	3	4	3	11.1	2.7	8.6	29.3	22.5
Influenza (487)						0.0	0.0	0.0	0.0	0.0
Other Diseases of Respiratory System (470-478, 492-519)	15	5	4	1	5	15.2	13.6	11.4	7.3	37.6
Hernia and Intestinal Obstruction (550-553, 560)						0.0	0.0	0.0	0.0	0.0
Gastritis, Duodenitis, and Noninfective Enteritis and Colitis (535, 555-558)	1			1		1.0	0.0	0.0	7.3	0.0
Other Diseases of Digestive System (520-534, 536-543, 562-579)	8	3	4	1		8.1	8.1	11.4	7.3	0.0
Congenital Anomalies (740-759)	179	66	61	29	23	181.3	179.2	174.6	212.3	172.8
Anencephalus (740)	10	1	8		1	10.1	2.7	22.9	0.0	7.5
Spina Bifida (741)	1		1			1.0	0.0	2.9	0.0	0.0
Congenital Hydrocephalus (7423)	2	1			1	2.0	2.7	0.0	0.0	7.5
Other Anomalies of Central Nervous System and Eye (7420-7422, 7424-7429, 743)	5	1	1	3		5.1	2.7	2.9	22.0	0.0
Anomalies of Heart (745-746)	64	26	20	7	11	64.8	70.6	57.2	51.2	82.6
Other Anomalies of Circulatory System (747)	10	3	4	2	1	10.1	8.1	11.4	14.6	7.5
Anomalies of Respiratory System (748)	26	9	10	6	1	26.3	24.4	28.6	43.9	7.5
Anomalies of Digestive System (749-751)	3	1		2		3.0	2.7	0.0	14.6	0.0
Anomalies of Genitourinary System (752-753)	10	6	1	3		10.1	16.3	2.9	22.0	0.0
Anomalies of Musculoskeletal System (754-756)	14	6	3	3	2	14.2	16.3	8.6	22.0	15.0
Down's Syndrome (7580)	4	3	1			4.1	8.1	2.9	0.0	0.0
Other Chromosomal Anomalies (7581-7589)	17	5	6	3	3	17.2	13.6	17.2	22.0	22.5
Other and Unspecified Anomalies (744, 757, 759)	13	4	6		3	13.2	10.9	17.2	0.0	22.5

(continued)

TABLE 37
RESIDENT INFANT DEATHS BY CAUSE OF DEATH BY RACE AND SEX
WITH RATES PER 100,000 LIVE BIRTHS
VIRGINIA, 1990

CAUSES OF INFANT DEATHS (Numbers Refer to International Classification of Diseases, 9th Revision)	INFANT DEATHS					INFANT DEATH RATES				
	TOTAL DEATHS	White Male	White Female	Nonwh Male	Nonwh Female	TOTAL RATES	White Male	White Female	Nonwh Male	Nonwh Female
STATE OF VIRGINIA	1,005	306	226	267	206	1,017.7	830.8	646.8	1,954.2	1,547.4
Certain Conditions Originating in the Perinatal Period (760-779)	522	138	97	161	126	528.6	374.7	277.6	1,178.4	946.4
Maternal Conditions Unrelated to Present Pregnancy (760)	3	2		1		3.0	5.4	0.0	7.3	0.0
Maternal Complications of Pregnancy (761)	61	15	12	20	14	61.8	40.7	34.3	146.4	105.2
Complications of Placenta, Cord, and Membranes (762)	19	4	7	3	5	19.2	10.9	20.0	22.0	37.6
Other Complications of Labor and Delivery (763)	1			1		1.0	0.0	0.0	7.3	0.0
Slow Fetal Growth and Fetal Malnutrition (764)	1	1				1.0	2.7	0.0	0.0	0.0
Disorders Relating to Short Gestation and Low Birth Weight (765)	168	38	24	57	49	170.1	103.2	68.7	417.2	368.1
Disorders Relating to Long Gestation and High Birth Weight (766)						0.0	0.0	0.0	0.0	0.0
Birth Trauma (767)	5	1	1	2	1	5.1	2.7	2.9	14.6	7.5
Intrauterine Hypoxia and Birth Asphyxia (768)	16	7	6	2	1	16.2	19.0	17.2	14.6	7.5
Fetal Distress in Liveborn Infant (7682-7684)						0.0	0.0	0.0	0.0	0.0
Birth Asphyxia (7685-7689)	16	7	6	2	1	16.2	19.0	17.2	14.6	7.5
Respiratory Distress Syndrome (769)	35	13	3	17	2	35.4	35.3	8.6	124.4	15.0
Other Respiratory Conditions (770)	94	24	22	28	20	95.2	65.2	63.0	204.9	150.2
Infections Specific to Perinatal Period (771)	29	8	8	2	11	29.4	21.7	22.9	14.6	82.6
Neonatal Hemorrhage (772)	8	4	1	2	1	8.1	10.9	2.9	14.6	7.5
Hemolytic Disease Due to Isoimmunization and Other Perinatal Jaundice (773-774)	1	1				1.0	2.7	0.0	0.0	0.0
Syndrome of "Infant of Diabetic Mother" and Neonatal Diabetes Mellitus (7750-7751)						0.0	0.0	0.0	0.0	0.0
Hemorrhagic Disease (7760)						0.0	0.0	0.0	0.0	0.0
Other Conditions Originating in Perinatal Period (7752-7759, 7761-779)	81	20	13	26	22	82.0	54.3	37.2	190.3	165.3
Symptoms and Ill-Defined Conditions (780-799)	127	49	25	30	23	128.6	133.0	71.5	219.6	172.8
Sudden Infant Death Syndrome (7980)	115	46	23	28	18	116.5	124.9	65.8	204.9	135.2
Symptoms and All Ill-Defined Conditions (780-797, 7981-799)	12	3	2	2	5	12.2	8.1	5.7	14.6	37.6
Accidents (E800-E949)	28	9	5	9	5	28.4	24.4	14.3	65.9	37.6
Motor Vehicle (E810-E825)	6	4		2		6.1	10.9	0.0	14.6	0.0
Inhalation or Ingestion of Food or Object (E911-E912)	5	3		2		5.1	8.1	0.0	14.6	0.0
Mechanical Suffocation (E913)	12	2	4	3	3	12.2	5.4	11.4	22.0	22.5
Other Accidents (Residual of E800-E949)	5		1	2	2	5.1	0.0	2.9	14.6	15.0
Homicide (E960-E969)	4			2	2	4.1	0.0	0.0	14.6	15.0
Child Battering and Other Maltreatment (E967)	1				1	1.0	0.0	0.0	0.0	7.5
Other Homicide (E960-E966, E968-E969)	3			2	1	3.0	0.0	0.0	14.6	7.5
All Other Causes	70	23	15	19	13	70.9	62.4	42.9	139.1	97.6

TABLE 38
RESIDENT INFANT DEATHS BY AGE AND CAUSE OF DEATH
VIRGINIA, 1990

CAUSES OF INFANT DEATHS (Numbers Refer to International Classification of Diseases, 9th Revision)	TOTAL UNDER 1 YEAR	UNDER 1 WEEK		7-27 DAYS			TOTAL UNDER 28 DAYS	28 DAYS TO 1 MON	OVER 1 MONTH LESS THAN 1 YEAR			
		Under 1 Day	1-6 Days	7-13 Days	14-20 Days	21-27 Days			2 Mon	3-5 Mon	6-8 Mon	9-11 Mon
STATE OF VIRGINIA	1,005	458	126	51	30	26	691	78	70	106	41	19
Certain Intestinal Infections (008-009)	3				1	1	2	1				
Whooping Cough (033)												
Meningococcal Infections (036)	1							1				
Septicemia (038)	8							4	1	1	1	1
Viral Diseases (045-079)	1	1					1					
Congenital Syphilis (090)												
Other Infectious and Parasitic Diseases (Residual of 001-139)												
Malignant Neoplasms (140-208)												
Benign Neoplasms and Neoplasms of Unspecified Nature (210-239)	2		1	1			2					
Diseases of Thymus Gland (254)												
Cystic Fibrosis (2770)												
Diseases of Blood and Blood-Forming Organs (280-289)	2	1					1	1				
Meningitis (320-322)	5					1	1			1	3	
Other Diseases of Nervous System and Sense Organs (323-389)	16	2					2	1	2	4	3	4
Acute Upper Respiratory Infections (460-465)	1							1				
Bronchitis and Bronchiolitis (466, 490-491)	1									1		
Pneumonia and Influenza (480-487)	11					1	1	2	2	4	2	
Pneumonia (480-486)	11					1	1	2	2	4	2	
Influenza (487)												
Other Diseases of Respiratory System (470-478, 492-519)	15	3		2			5	1	2	5	2	
Hernia and Intestinal Obstruction (550-553, 560)												
Gastritis, Duodenitis, and Noninfective Enteritis and Colitis (535, 555-558)	1					1	1					
Other Diseases of Digestive System (520-534, 536-543, 562-579)	8			1			1	2	1	2	2	
Congenital Anomalies (740-759)	179	71	39	15	3	3	131	14	12	14	4	4
Anencephalus (740)	10	9	1				10					
Spina Bifida (741)	1	1					1					
Congenital Hydrocephalus (7423)	2	1					1			1		
Other Anomalies of Central Nervous System and Eye (7420-7422, 7424-7429, 743)	5	2	1	1			4			1		
Anomalies of Heart (745-746)	64	7	17	9	2	1	36	9	4	9	3	3
Other Anomalies of Circulatory System (747)	10	1	5	2			8	1	1			
Anomalies of Respiratory System (748)	26	19	4				23	1	2			
Anomalies of Digestive System (749-751)	3	1					1		1			1
Anomalies of Genitourinary System (752-753)	10	10					10					
Anomalies of Musculoskeletal System (754-756)	14	8	3				11	2		1		
Down's Syndrome (7580)	4	3				1	4					
Other Chromosomal Anomalies (7581-7589)	17	3	6	1	1		11	1	3	2		
Other and Unspecified Anomalies (744, 757, 759)	13	6	2	2		1	11		1		1	

(continued)

TABLE 38
RESIDENT INFANT DEATHS BY AGE AND CAUSE OF DEATH
VIRGINIA, 1990

CAUSES OF INFANT DEATHS (Numbers Refer to International Classification of Diseases, 9th Revision)	TOTAL UNDER 1 YEAR	UNDER 1 WEEK		7-27 DAYS			TOTAL UNDER 28 DAYS	28 DAYS TO 1 MON	OVER 1 MONTH LESS THAN 1 YEAR			
		Under 1 Day	1-6 Days	7-13 Days	14-20 Days	21-27 Days			2 Mon	3-5 Mon	6-8 Mon	9-11 Mon
STATE OF VIRGINIA	1,005	458	126	51	30	26	691	78	70	106	41	19
Certain Conditions Originating in the Perinatal Period (760-779)	522	368	70	29	21	12	500	5	5	5	4	3
Maternal Conditions Unrelated to Present Pregnancy (760)	3	1	1	1			3					
Maternal Complications of Pregnancy (761)	61	58	3				61					
Complications of Placenta, Cord, and Membranes (762)	19	18					18		1			
Other Complications of Labor and Delivery (763)	1	1					1					
Slow Fetal Growth and Fetal Malnutrition (764)	1							1				
Disorders Relating to Short Gestation and Low Birth Weight (765)	168	160	3	1			164	3	1			
Disorders Relating to Long Gestation and High Birth Weight (766)												
Birth Trauma (767)	5		3	1		1	5					
Intrauterine Hypoxia and Birth Asphyxia (768)	16	5	6	5			16					
Fetal Distress in Liveborn Infant (7682-7684)												
Birth Asphyxia (7685-7689)	16	5	6	5			16					
Respiratory Distress Syndrome (769)	35	13	13	2	2		30	1	2		2	
Other Respiratory Conditions (770)	94	50	19	8	3	3	83		1	5	2	3
Infections Specific to Perinatal Period (771)	29	5	5	9	6	4	29					
Neonatal Hemorrhage (772)	8	1	5		1	1	8					
Hemolytic Disease Due to Isoimmunization and Other Perinatal Jaundice (773-774)	1		1				1					
Syndrome of "Infant of Diabetic Mother" and Neonatal Diabetes Mellitus (7750-7751)												
Hemorrhagic Disease (7760)												
Other Conditions Originating in Perinatal Period (7752-7759, 7761-779)	81	56	11	2	9	3	81					
Symptoms and Ill-Defined Conditions (780-799)	127	4	1	1	4	3	13	27	33	50	4	
Sudden Infant Death Syndrome (7980)	115			1	3	3	7	25	33	47	3	
Symptoms and All Ill-Defined Conditions (780-797, 7981-799)	12	4	1		1		6	2		3	1	
Accidents (E800-E949)	28					1	1	5	4	8	8	2
Motor Vehicle (E810-E825)	6									3	2	1
Inhalation or Ingestion of Food or Object (E911-E912)	5							2	1	2		
Mechanical Suffocation (E913)	12							2	3	2	5	
Other Accidents (Residual of E800-E949)	5					1	1	1		1	1	1
Homicide (E960-E969)	4	1	1				2			1		1
Child Battering and Other Maltreatment (E967)	1									1		
Other Homicide (E960-E966, E968-E969)	3	1	1				2					1
All Other Causes	70	7	14	2	1	3	27	13	8	10	8	4

TABLE 39
DEATHS BY PLACE OF OCCURRENCE AND PLACE OF RESIDENCE WITH RESIDENT RATE PER 1,000 POPULATION, BY RACE BY PLANNING DISTRICT AND CITY OR COUNTY VIRGINIA, 1990

PLANNING DISTRICT AND CITY / COUNTY	PLACE OF OCCURRENCE			PLACE OF RESIDENCE					
				Number			Rate		
	Total	White	Nonwhite	Total	White	Nonwhite	Total	White	Nonwhite
STATE OF VIRGINIA	47,452	36,756	10,696	47,652	37,076	10,576	7.7	7.7	7.6
DISTRICT 1	694	683	11	961	951	10	10.5	10.6	6.5
LEE	173	173		265	265		10.8	10.9	0.0
SCOTT	96	94	2	253	248	5	10.9	10.8	28.7
WISE	227	221	6	390	385	5	9.9	10.0	5.6
NORTON	198	195	3	53	53		12.5	13.5	0.0
DISTRICT 2	831	819	12	1,201	1,177	24	9.7	9.7	11.0
BUCHANAN	190	190		274	273	1	8.7	8.8	4.4
DICKENSON	105	105		179	179		10.2	10.2	0.0
RUSSELL	173	171	2	279	273	6	9.7	9.6	16.8
TAZEWELL	363	353	10	469	452	17	10.2	10.2	11.3
DISTRICT 3	1,558	1,524	34	1,923	1,868	55	10.8	10.8	10.5
BLAND	28	27	1	72	71	1	11.1	11.3	3.9
CARROLL	78	78		242	242		9.1	9.2	0.0
GRAYSON	57	55	2	190	182	8	11.7	11.6	14.6
SMYTH	342	338	4	360	355	5	11.1	11.2	6.5
WASHINGTON	384	378	6	424	416	8	9.2	9.2	9.9
WYTHE	268	258	10	278	267	11	10.9	10.9	11.1
BRISTOL	115	112	3	241	223	18	13.1	12.9	15.2
GALAX	286	278	8	116	112	4	17.4	18.0	8.9
DISTRICT 4	987	935	52	1,194	1,126	68	7.8	7.9	6.8
FLOYD	32	32		120	113	7	10.0	9.7	20.5
GILES	136	133	3	199	194	5	12.2	12.1	15.5
MONTGOMERY	390	364	26	451	420	31	6.1	6.2	5.2
PULASKI	218	209	9	331	314	17	9.6	9.7	7.9
RADFORD	211	197	14	93	85	8	5.8	5.8	6.2
DISTRICT 5	3,549	3,114	435	2,766	2,421	345	10.9	10.9	10.8
ALLEGHANY	269	251	18	130	123	7	9.9	9.6	18.2
BOTETOURT	77	70	7	230	216	14	9.2	9.1	11.2
CRAIG	13	13		40	40		9.1	9.2	0.0
ROANOKE	384	357	27	612	600	12	7.7	7.8	4.3
CLIFTON FORGE	68	60	8	93	81	12	19.9	20.4	16.9
COVINGTON	13	12	1	99	87	12	14.2	14.6	11.6
ROANOKE CITY	1,728	1,470	258	1,275	1,013	262	13.2	14.1	10.7
SALEM	997	881	116	287	261	26	12.1	11.6	20.3
DISTRICT 6	1,803	1,708	95	1,926	1,823	103	8.6	8.6	7.6
AUGUSTA	127	120	7	413	399	14	7.6	7.6	6.2
BATH	38	36	2	49	46	3	10.2	10.1	11.3
HIGHLAND	11	11		31	31		11.8	11.8	0.0
ROCKBRIDGE	52	51	1	170	159	11	9.3	9.0	16.4
ROCKINGHAM	153	150	3	434	425	9	7.6	7.6	6.8
BUENA VISTA	25	23	2	69	68	1	10.8	11.2	3.2
HARRISONBURG	624	604	20	230	220	10	7.5	7.9	3.7
LEXINGTON	152	140	12	67	57	10	9.6	9.5	10.7
STAUNTON	324	296	28	256	224	32	10.5	10.6	9.8
WAYNESBORO	297	277	20	207	194	13	11.2	11.6	7.0
DISTRICT 7	1,567	1,488	69	1,487	1,424	63	9.3	9.4	8.5
CLARKE	52	50	2	101	96	5	8.3	8.7	4.5
FREDERICK	79	79		293	287	6	6.4	6.4	5.1
PAGE	146	140	6	217	207	10	10.0	9.8	18.2
SHENANDOAH	302	299	3	347	345	2	11.0	11.1	3.5
WARREN	237	216	21	265	242	23	10.1	9.8	15.4
WINCHESTER	741	704	37	264	247	17	12.0	12.7	6.8
DISTRICT 8	6,347	5,545	802	6,521	5,718	803	4.4	4.8	2.8
ARLINGTON	2,534	2,343	191	1,125	989	137	6.6	7.6	3.4
FAIRFAX	2,704	2,444	260	3,094	2,828	266	3.8	4.3	1.7
LOUDOUN	337	295	42	409	354	55	4.7	4.6	6.1
PRINCE WILLIAM	389	321	68	703	596	107	3.3	3.3	3.0
ALEXANDRIA	892	702	190	826	613	213	7.4	8.0	6.2
FAIRFAX CITY	145	137	8	147	140	7	7.5	8.3	2.5
FALLS CHURCH	20	18	2	62	59	3	6.5	6.9	2.9
MANASSAS	323	282	41	135	121	14	4.8	5.2	3.0
MANASSAS PARK	3	3		19	18	1	2.8	3.0	1.3
DISTRICT 9	773	665	108	1,020	863	157	8.8	8.7	9.4
CULPEPER	239	206	33	273	227	46	9.8	10.1	8.8
FAUQUIER	355	299	56	357	292	65	7.3	6.8	10.7
MADISON	70	64	6	113	102	11	9.5	10.0	6.2
ORANGE	101	89	12	214	186	28	10.0	10.2	9.8
RAPPAHANNOCK	12	11	1	63	56	7	9.5	9.2	13.3
DISTRICT 10	1,818	1,467	351	1,296	1,024	272	7.9	7.6	9.1
ALBEMARLE	1,123	873	250	384	320	64	5.6	5.4	7.3
FLUVANNA	35	30	5	102	76	26	8.2	8.0	9.9
GREENE	27	26	1	69	64	5	6.7	6.7	7.0
LOUISA	82	63	19	209	153	56	10.3	10.2	10.5
NELSON	76	67	9	136	105	31	10.6	10.2	12.2
CHARLOTTESVILLE	475	408	67	396	306	90	9.8	10.0	9.3
DISTRICT 11	1,738	1,550	188	2,028	1,631	397	9.8	9.8	10.1
AMHERST	80	63	17	252	198	54	9.8	9.8	9.9
APPOMATTOX	95	78	17	149	113	36	12.1	11.9	12.7
BEDFORD	128	112	16	383	334	49	9.4	8.0	12.3
CAMPBELL	117	95	22	356	294	62	7.5	7.3	8.7
BEDFORD CITY	192	172	20	123	107	16	20.3	22.8	11.6
LYNCHBURG	1,326	1,030	296	765	585	180	11.6	12.2	9.9

[continued]

TABLE 39
DEATHS BY PLACE OF OCCURRENCE AND PLACE OF RESIDENCE WITH RESIDENT RATE PER 1,000 POPULATION, BY RACE BY PLANNING DISTRICT AND CITY OR COUNTY
VIRGINIA, 1990

PLANNING DISTRICT AND CITY / COUNTY	PLACE OF OCCURRENCE			PLACE OF RESIDENCE					
				Number			Rate		
	Total	White	Nonwhite	Total	White	Nonwhite	Total	White	Nonwhite
STATE OF VIRGINIA	47,452	36,756	10,696	47,652	37,076	10,576	7.7	7.7	7.6
DISTRICT 12	2,188	1,652	536	2,480	1,893	587	10.4	10.6	9.8
FRANKLIN	260	224	36	360	317	43	9.1	9.0	9.8
HENRY	105	81	24	435	366	69	7.6	8.4	5.1
PATRICK	137	127	10	182	167	15	10.4	10.4	11.2
PITTSYLVANIA	196	138	58	543	387	156	9.8	9.5	10.3
DANVILLE	1,017	711	306	717	507	210	13.5	15.2	10.6
MARTINSVILLE	473	371	102	243	149	94	15.0	14.7	15.6
DISTRICT 13	895	541	354	1,035	604	431	12.7	13.0	12.4
BRUNSWICK	62	23	39	191	81	110	11.9	12.3	11.7
HALIFAX	133	81	52	373	235	138	12.8	13.4	12.0
MECKLENBURG	347	210	137	363	222	141	12.4	12.4	12.5
SOUTH BOSTON	353	227	126	108	66	42	15.4	15.1	16.0
DISTRICT 14	602	367	235	951	577	374	11.2	11.0	11.5
AMELIA	34	16	18	84	42	42	9.6	7.1	14.7
BUCKINGHAM	62	36	26	130	81	49	10.1	10.7	9.2
CHARLOTTE	53	29	24	143	96	47	12.2	13.0	10.9
CUMBERLAND	20	14	6	70	43	27	8.9	9.0	8.8
LUNENBURG	43	24	19	133	70	63	11.6	9.9	14.5
NOTTOWAY	128	77	51	211	137	74	14.1	15.7	11.8
PRINCE EDWARD	262	171	91	180	108	72	10.4	9.9	11.3
DISTRICT 15	7,126	4,915	2,211	6,083	4,230	1,853	8.2	8.1	8.5
CHARLES CITY COUNTY	18	7	11	49	11	38	7.8	6.1	8.5
CHESTERFIELD	604	526	78	902	807	95	4.3	4.6	2.9
GOOCHLAND	37	21	16	97	52	45	6.8	5.3	10.5
HANOVER	159	135	24	490	415	75	7.7	7.4	10.9
HENRICO	1,977	1,676	301	1,820	1,570	250	8.4	9.3	5.1
NEW KENT	38	28	10	97	66	31	9.3	8.2	13.1
POWHATAN	41	32	9	109	80	29	7.1	6.7	8.6
RICHMOND CITY	4,252	2,490	1,762	2,519	1,229	1,290	12.4	14.0	11.2
DISTRICT 16	997	825	172	1,080	860	220	6.3	6.0	7.9
CAROLINE	54	37	17	192	117	75	10.0	10.0	10.0
KING GEORGE	56	42	14	84	65	19	6.2	6.1	6.5
SPOTSYLVANIA	137	118	19	301	246	55	5.2	4.9	7.7
STAFFORD	129	115	14	289	256	33	4.7	4.6	5.8
FREDERICKSBURG	621	513	108	214	176	38	11.2	12.2	8.3
DISTRICT 17	453	363	90	638	484	154	14.4	16.0	11.1
LANCASTER	254	216	38	177	147	30	16.2	19.4	9.0
NORTHUMBERLAND	43	32	11	163	124	39	15.5	16.8	12.4
RICHMOND	81	58	23	112	83	29	15.4	16.5	12.9
WESTMORELAND	75	57	18	186	130	56	12.0	12.7	10.7
DISTRICT 18	609	453	156	762	556	206	10.4	9.9	12.4
ESSEX	148	93	55	109	66	43	12.5	12.4	12.8
GLOUCESTER	300	237	63	248	202	46	8.2	7.6	12.5
KING & QUEEN	20	11	9	73	45	28	11.6	12.6	10.3
KING WILLIAM	46	28	18	103	55	48	9.4	7.5	13.5
MATHEWS	33	29	4	123	100	23	14.7	14.0	19.0
MIDDLESEX	62	55	7	106	88	18	12.3	13.5	8.4
DISTRICT 19	1,615	968	647	1,574	924	650	10.1	10.5	9.5
DINWIDDIE	64	33	31	179	103	75	8.5	7.7	9.7
GREENSVILLE	20	12	8	80	34	46	9.0	8.7	9.3
PRINCE GEORGE	53	36	17	115	80	35	4.2	4.4	3.8
SURRY	21	13	8	51	20	31	8.3	7.3	9.1
SUSSEX	73	31	42	140	57	83	13.7	13.4	13.8
COLONIAL HEIGHTS	98	90	8	181	174	7	11.3	11.2	12.5
EMPORIA	225	93	132	82	48	34	15.5	16.8	13.8
HOPEWELL	333	248	85	238	184	54	10.3	11.0	8.4
PETERSBURG	628	312	316	509	224	285	13.3	22.0	10.1
DISTRICT 20	7,541	4,914	2,627	7,293	4,692	2,601	7.2	6.9	7.9
ISLE OF WIGHT	74	49	25	232	136	96	9.3	8.0	11.7
SOUTHAMPTON	46	20	26	166	81	85	9.5	8.4	10.7
CHESAPEAKE	814	606	208	1,072	766	306	7.1	7.1	6.9
FRANKLIN CITY	184	104	80	113	47	66	14.4	12.9	15.6
NORFOLK	3,137	1,925	1,212	2,284	1,295	989	8.7	8.7	8.8
PORTSMOUTH	1,385	767	618	1,088	568	520	10.5	10.7	10.3
SUFFOLK	495	255	240	544	266	278	10.4	9.3	11.8
VIRGINIA BEACH	1,406	1,188	218	1,794	1,533	261	4.6	4.8	3.4
DISTRICT 21	3,158	2,044	1,114	2,890	1,898	992	7.2	7.1	7.3
JAMES CITY COUNTY	98	77	21	203	155	48	5.8	5.6	6.8
YORK	85	62	23	235	186	49	5.5	5.4	6.2
HAMPTON	1,106	560	546	983	604	379	7.3	7.7	6.8
NEWPORT NEWS	1,601	1,133	468	1,287	791	496	7.6	7.4	7.8
POQUOSON	27	27		75	75		6.8	7.0	0.0
WILLIAMSBURG	241	185	56	107	87	20	9.3	9.3	9.3
DISTRICT 22	509	312	197	543	332	211	12.1	12.1	12.1
ACCOMACK	145	102	43	345	220	125	10.9	10.7	11.2
NORTHAMPTON	364	210	154	198	112	86	15.2	16.3	13.9

TABLE 40
RESIDENT DEATHS FROM IMPORTANT CAUSES BY RACE
WITH RATES PER 100,000 POPULATION
VIRGINIA, 1981-1990

(Numbers Refer to International Classification of Diseases, Ninth Revision)

YEAR	TOTAL		WHITE		NONWHITE		TOTAL		WHITE		NONWHITE	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
	TUBERCULOSIS, ALL FORMS (010-018)						SEPTICEMIA (038)					
1981	42	0.8	24	0.6	18	1.6	363	6.7	259	6.0	104	9.2
1982	38	0.7	25	0.6	13	1.1	347	6.4	248	5.8	99	8.5
1983	32	0.6	18	0.4	14	1.2	376	6.8	249	5.7	127	10.8
1984	30	0.5	16	0.4	14	1.2	475	8.5	320	7.3	155	12.9
1985	33	0.6	15	0.3	18	1.5	470	8.2	318	7.1	152	12.4
1986	49	0.8	26	0.6	23	1.8	533	9.2	370	8.1	163	13.1
1987	30	0.5	13	0.3	17	1.3	572	9.7	396	8.6	176	13.9
1988	37	0.6	19	0.4	18	1.4	640	10.8	442	9.5	198	15.4
1989	23	0.4	12	0.3	11	0.8	593	9.8	413	8.8	180	13.8
1990	26	0.4	16	0.3	10	0.7	639	10.3	451	9.4	188	13.5
	MALIGNANT NEOPLASMS (140-208)						DIABETES MELLITUS (250)					
1981	9,090	167.4	7,147	166.4	1,943	171.3	633	11.7	409	9.5	224	19.8
1982	9,555	174.9	7,451	173.1	2,104	181.6	624	11.4	442	10.3	182	15.7
1983	9,947	180.0	7,788	179.2	2,159	182.9	668	12.1	437	10.1	231	19.6
1984	10,016	178.9	7,820	178.0	2,196	182.3	634	11.3	401	9.1	233	19.3
1985	10,455	182.6	8,217	182.5	2,238	182.9	626	10.9	435	9.7	191	15.6
1986	10,825	186.6	8,449	185.5	2,376	190.9	703	12.1	464	10.2	239	19.2
1987	10,789	183.7	8,441	183.1	2,348	185.6	740	12.6	479	10.4	261	20.6
1988	11,088	186.4	8,647	185.5	2,441	189.8	752	12.6	492	10.6	260	20.2
1989	11,252	186.8	8,730	185.1	2,522	193.0	788	13.1	516	10.9	272	20.8
1990	11,528	186.3	9,061	189.1	2,467	176.8	887	14.3	580	12.1	307	22.0
	DISEASES OF HEART (390-398,402,404-429)						HYPERTENSION (401,403)					
1981	15,442	284.4	12,370	288.0	3,072	270.9	174	3.2	107	2.5	67	5.9
1982	15,490	283.6	12,478	290.0	3,012	260.0	158	2.9	99	2.3	59	5.1
1983	16,151	292.2	13,016	299.5	3,135	265.5	152	2.8	93	2.1	59	5.0
1984	15,989	285.6	12,785	291.0	3,204	266.0	154	2.8	85	1.9	69	5.7
1985	16,036	280.1	12,810	284.5	3,226	263.7	136	2.4	84	1.9	52	4.2
1986	15,981	275.5	12,673	278.2	3,308	265.8	175	3.0	107	2.3	68	5.5
1987	15,988	272.2	12,672	274.9	3,316	262.1	147	2.5	92	2.0	55	4.3
1988	16,143	271.4	12,772	273.9	3,371	262.2	163	2.7	84	1.8	79	6.1
1989	15,756	261.6	12,474	264.5	3,282	251.2	176	2.9	102	2.2	74	5.7
1990	15,311	247.5	12,246	255.6	3,065	219.6	178	2.9	119	2.5	59	4.2
	CEREBROVASCULAR DISEASE (430-438)						ATHEROSCLEROSIS (440)					
1981	3,819	70.3	2,940	68.4	879	77.5	537	9.9	454	10.6	83	7.3
1982	3,461	63.4	2,648	61.5	813	70.2	571	10.5	473	11.0	98	8.5
1983	3,486	63.1	2,639	60.7	847	71.7	578	10.5	470	10.8	108	9.1
1984	3,474	62.1	2,683	61.1	791	65.7	568	10.1	463	10.5	105	8.7
1985	3,510	61.3	2,714	60.3	796	65.1	477	8.3	409	9.1	68	5.6
1986	3,552	61.2	2,684	58.9	868	69.8	529	9.1	443	9.7	86	6.9
1987	3,438	58.5	2,626	57.0	812	64.2	449	7.6	370	8.0	79	6.2
1988	3,516	59.1	2,649	56.8	867	67.4	411	6.9	326	7.0	85	6.6
1989	3,309	54.9	2,588	54.9	721	55.2	383	6.4	318	6.7	65	5.0
1990	3,497	56.5	2,697	56.3	800	57.3	358	5.8	293	6.1	65	4.7
	OTHER DISEASES OF ARTERIES, ARTERIOLES, AND CAPILLARIES (441-448)						PNEUMONIA AND INFLUENZA (480-487)					
1981	417	7.7	348	8.1	69	6.1	1,252	23.1	1,016	23.7	236	20.8
1982	368	6.7	308	7.2	60	5.2	1,115	20.4	921	21.4	194	16.7
1983	448	8.1	383	8.8	65	5.5	1,263	22.9	1,038	23.9	225	19.1
1984	460	8.2	385	8.8	75	6.2	1,292	23.1	1,073	24.4	219	18.2
1985	432	7.5	373	8.3	59	4.8	1,453	25.4	1,190	26.4	263	21.5
1986	437	7.5	368	8.1	69	5.5	1,592	27.4	1,328	29.1	264	21.2
1987	466	7.9	381	8.3	85	6.7	1,592	27.1	1,336	29.0	256	20.2
1988	515	8.7	416	8.9	99	7.7	1,736	29.2	1,450	31.1	286	22.2
1989	518	8.6	428	9.1	90	6.9	1,555	25.8	1,310	27.8	245	18.8
1990	516	8.3	446	9.3	70	5.0	1,712	27.7	1,439	30.0	273	19.6

[continued]

TABLE 40
RESIDENT DEATHS FROM IMPORTANT CAUSES BY RACE WITH RATES PER 100,000 POPULATION VIRGINIA, 1981-1990

(Numbers Refer to International Classification of Diseases, Ninth Revision)

YEAR	TOTAL Number	TOTAL Rate	WHITE Number	WHITE Rate	NONWHITE Number	NONWHITE Rate	TOTAL Number	TOTAL Rate	WHITE Number	WHITE Rate	NONWHITE Number	NONWHITE Rate
	CHRONIC OBSTRUCTIVE PULMONARY DISEASES (490-496)						CHRONIC LIVER DISEASE AND CIRRHOSIS (571)					
1981	1,242	22.9	1,082	25.2	160	14.1	555	10.2	437	10.2	118	10.4
1982	1,225	22.4	1,070	24.9	155	13.4	508	9.3	401	9.3	107	9.2
1983	1,396	25.3	1,230	28.3	166	14.1	546	9.9	435	10.0	111	9.4
1984	1,457	26.0	1,273	29.0	184	15.3	554	9.9	436	9.9	118	9.8
1985	1,545	27.0	1,364	30.3	181	14.8	544	9.5	429	9.5	115	9.4
1986	1,630	28.1	1,435	31.5	195	15.7	499	8.6	393	8.6	106	8.5
1987	1,701	29.0	1,498	32.5	203	16.0	454	7.7	349	7.6	105	8.3
1988	1,641	27.6	1,455	31.2	186	14.5	546	9.2	429	9.2	117	9.1
1989	1,685	28.0	1,459	30.9	226	17.3	501	8.3	384	8.1	117	9.0
1990	1,798	29.1	1,582	33.0	216	15.5	490	7.9	364	7.6	126	9.0
	COMPLICATIONS OF PREGNANCY, CHILDBIRTH, AND PUERPERIUM* (630-676)						CONGENITAL ANOMALIES (740-759)					
1981	6	7.6	2	3.4	4	19.6	290	5.3	214	5.0	76	6.7
1982	3	3.7	1	1.7	2	9.7	287	5.3	218	5.1	69	6.0
1983	4	5.0	1	1.7	3	14.5	295	5.3	223	5.1	72	6.1
1984	6	7.3	3	4.9	3	14.1	305	5.4	221	5.0	84	7.0
1985	5	5.8	1	1.6	4	18.2	272	4.8	206	4.6	66	5.4
1986	1	1.1	1	1.6		0.0	273	4.7	198	4.3	75	6.0
1987	6	6.6	2	3.0	4	17.1	306	5.2	230	5.0	76	6.0
1988	10	10.8	5	7.3	5	20.3	294	4.9	223	4.8	71	5.5
1989	6	6.2	5	7.1	1	3.8	286	4.7	209	4.4	77	5.9
1990	4	4.1	3	4.2	1	3.7	285	4.6	202	4.2	83	5.9
	CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD (760-779)						ACCIDENTS, ALL TYPES (E800-E949)					
1981	560	10.3	329	7.7	231	20.4	2,253	41.5	1,736	40.4	517	45.6
1982	587	10.7	330	7.7	257	22.2	2,043	37.4	1,588	36.9	455	39.3
1983	525	9.5	265	6.1	260	22.0	2,076	37.6	1,566	36.0	510	43.2
1984	540	9.6	297	6.8	243	20.2	2,185	39.0	1,696	38.6	489	40.6
1985	535	9.3	291	6.5	244	19.9	2,176	38.0	1,605	35.6	571	46.7
1986	500	8.6	271	5.9	229	18.4	2,273	39.2	1,705	37.4	568	45.6
1987	434	7.4	227	4.9	207	16.4	2,302	39.2	1,740	37.8	562	44.4
1988	481	8.1	245	5.3	236	18.4	2,212	37.2	1,647	35.3	565	43.9
1989	527	8.8	261	5.5	266	20.4	2,196	36.5	1,593	33.8	603	46.1
1990	522	8.4	235	4.9	287	20.6	2,140	34.6	1,646	34.4	494	35.4
	MOTOR VEHICLE ACCIDENTS (E810-E825)						ALL OTHER ACCIDENTS (E800-E807,E826-E949)					
1981	1,049	19.3	855	19.9	194	17.1	1,204	22.2	881	20.5	323	28.5
1982	875	16.0	713	16.6	162	14.0	1,168	21.4	875	20.3	293	25.3
1983	924	16.7	734	16.9	190	16.1	1,152	20.8	832	19.1	320	27.1
1984	1,009	18.0	785	17.9	224	18.6	1,176	21.0	911	20.7	265	22.0
1985	999	17.4	752	16.7	247	20.2	1,177	20.6	853	18.9	324	26.5
1986	1,122	19.3	865	19.0	257	20.7	1,151	19.8	840	18.4	311	25.0
1987	1,078	18.4	875	19.0	203	16.0	1,224	20.8	865	18.8	359	28.4
1988	1,020	17.1	785	16.8	235	18.3	1,192	20.0	862	18.5	330	25.7
1989	1,018	16.9	743	15.8	275	21.0	1,178	19.6	850	18.0	328	25.1
1990	1,036	16.7	810	16.9	226	16.2	1,104	17.8	836	17.4	268	19.2
	SUICIDE (E950-E959)						HOMICIDE (E960-E978)					
1981	711	13.1	633	14.7	78	6.9	500	9.2	268	6.2	232	20.5
1982	761	13.9	678	15.8	83	7.2	447	8.2	218	5.1	229	19.8
1983	718	13.0	630	14.5	88	7.5	430	7.8	203	4.7	227	19.2
1984	710	12.7	625	14.2	85	7.1	461	8.2	236	5.4	225	18.7
1985	751	13.1	667	14.8	84	6.9	427	7.5	202	4.5	225	18.4
1986	810	14.0	706	15.5	104	8.4	458	7.9	219	4.8	239	19.2
1987	830	14.1	732	15.9	98	7.7	472	8.0	207	4.5	265	20.9
1988	756	12.7	669	14.3	87	6.8	496	8.3	210	4.5	286	22.2
1989	814	13.5	698	14.8	116	8.9	519	8.6	228	4.8	291	22.3
1990	793	12.8	700	14.6	93	6.7	577	9.3	230	4.8	347	24.9

* Rates Per 100,000 Live Births

TABLE 41
RESIDENT DEATHS BY CAUSE BY AGE, RACE, AND SEX
VIRGINIA, 1990

CAUSE OF DEATH WITH ICD CODE	Race\ Sex	TOTAL	AGE IN YEARS																			
			Under 5		5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85 Up	Age Unk
			< 1	1-4																		
ALL CAUSES OF DEATH	TOTAL	47,651	1,005	138	99	92	368	467	597	727	820	980	1,297	1,687	2,450	3,778	5,193	5,904	6,534	6,270	9,232	13
	WH M	18,955	306	44	47	41	199	245	273	329	368	438	573	757	1,162	1,755	2,403	2,641	2,720	2,221	2,426	7
	WH F	18,120	226	53	21	22	62	79	99	116	191	232	332	448	652	1,089	1,584	1,975	2,499	2,981	5,458	1
	NW M	5,858	267	28	21	20	85	116	177	187	184	209	239	290	381	551	715	730	676	507	472	3
	NW F	4,718	206	13	10	9	22	27	48	95	77	101	153	192	255	383	491	558	639	561	876	2
Certain Other Intestinal Infections (007-009)	TOTAL	5	3													1					1	
	WH M																					
	WH F	2	1																		1	
	NW M	3	2																			
	NW F															1						
Tuberculosis, All Forms (010-018)	TOTAL	26							1			2	1	2	1	3	5	3	4	3	1	
	WH M	9											1		1	3	1		2	1		
	WH F	7												1			2	1	1	1	1	
	NW M	8							1			1		1			1	2	1	1		
	NW F	2										1					1					
Meningococcal Infection (036)	TOTAL	4	1	2	1																	
	WH M	2	1		1																	
	WH F	1		1																		
	NW M	1		1																		
	NW F																					
Septicemia (038)	TOTAL	639	8	2	1	1	2	4	3	3	9	8	11	17	17	37	61	85	89	102	178	1
	WH M	196	1	1	1			1	1	2	5	2	4	6	5	10	26	35	29	31	35	1
	WH F	255	2	1							1	3	2	3	4	11	14	20	33	49	112	
	NW M	94	3			1		2	1	1		1	3	2	5	10	12	21	14	7	11	
	NW F	94	2				2	1	1		3	2	2	6	3	6	9	9	13	15	20	
Viral Hepatitis (070)	TOTAL	20							1	2		2	1	1	1	1	2	7	1		1	
	WH M	10								2		1	1		1		1	3			1	
	WH F	6										1						4	1			
	NW M	1												1								
	NW F	3							1							1	1					
Syphilis (090-097)	TOTAL	5											1				2		1		1	
	WH M																					
	WH F																					
	NW M	2											1								1	
	NW F	3															2		1			
Other Infectious and Parasitic Diseases (Residual of 001-139)	TOTAL	518	7	5		2	2	11	51	105	91	67	51	21	20	16	20	10	26	4	9	
	WH M	265	2	2		2	1	5	23	52	48	42	32	11	11	7	10	3	9	2	3	
	WH F	52	1	2				2	3	3	5	3	2		1	6	5	5	9	1	4	
	NW M	163	4	1				3	21	42	32	19	15	7	5	3	4	2	5			
	NW F	38					1	1	4	8	6	3	2	3	3		1		3	1	2	
Malignant Neoplasms (140-208)	TOTAL	11,528		7	20	11	14	31	43	82	152	242	416	657	956	1,431	1,830	1,778	1,639	1,194	1,023	2
	WH M	4,816		3	11	7	7	15	17	27	46	79	123	250	429	624	817	797	715	497	350	2
	WH F	4,245		4	5	2	5	8	12	35	71	100	165	243	304	483	641	617	583	485	482	
	NW M	1,451			1	2	1	5	7	8	16	29	66	83	130	194	239	232	205	126	107	
	NW F	1,016			3		1	3	7	12	19	34	62	81	93	130	133	132	136	86	84	

[continued]

TABLE 41
RESIDENT DEATHS BY CAUSE BY AGE, RACE, AND SEX
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CAUSE OF DEATH WITH ICD CODE	Race\ Sex	TOTAL	AGE IN YEARS																			
			Under 5		5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85 Up	Age Unk
			< 1	1-4																		
1) Lip, Oral Cavity, and Pharynx (140-149)	TOTAL	185				1		1	1		1	5	8	10	16	29	34	22	23	17	17	
	WH M	97						1	1		1	3	3	5	9	14	21	12	11	6	10	
	WH F	43											1	2	4	4	5	5	7	8	7	
	NW M	37				1						2	4	2	3	8	6	4	5	2		
	NW F	8												1		3	2	1		1		
2) Digestive Organs and Peritoneum (150-159)	TOTAL	2,570			1				8	11	20	33	73	129	203	272	406	432	415	286	280	1
	WH M	1,029			1				3	3	8	13	26	52	88	124	172	178	162	110	88	1
	WH F	890							1	6	7	10	13	37	61	80	134	148	142	115	136	
	NW M	363							2		5	3	20	29	36	43	53	57	55	34	26	
	NW F	288							2	2		7	14	11	18	25	47	49	56	27	30	
3) Respiratory and Intra-thoracic Organs (160-165)	TOTAL	3,455							2	5	16	47	114	225	343	581	646	590	462	278	146	
	WH M	1,831							2	3	7	23	41	117	202	289	346	326	261	151	63	
	WH F	976								2	4	12	34	61	68	165	183	176	127	88	56	
	NW M	468									2	8	20	29	51	87	95	68	52	29	19	
	NW F	180									3	4	11	18	22	40	22	20	22	10	8	
4) Breast (174-175)	TOTAL	1,041							3	13	36	51	83	98	102	133	130	100	119	83	90	
	WH M	5											1			1			2		1	
	WH F	842							2	9	29	39	59	76	77	108	112	84	104	68	75	
	NW M	2													1		1					
	NW F	192							1	4	7	12	23	22	24	24	17	16	13	15	14	
5) Genital Organs (179-187)	TOTAL	1,312				1		1	2	8	22	25	24	42	66	116	186	216	232	195	176	
	WH M	526									5	3	1	6	13	38	83	89	99	97	92	
	WH F	444				1		1	2	5	12	18	19	24	37	41	62	62	67	56	37	
	NW M	232												4	5	23	27	48	51	33	41	
	NW F	110								3	5	4	4	8	11	14	14	17	15	9	6	
6) Urinary Organs (188-189)	TOTAL	431	1		3	1	1	1		1	3	8	16	18	29	40	70	62	62	51	64	
	WH M	235	1		2						1	5	11	10	16	24	38	36	37	25	29	
	WH F	120				1				1	2		4	4	6	9	17	10	16	23	27	
	NW M	50										3		3	6	5	13	11	4	1	4	
	NW F	26			1		1	1					1	1	1	2	2	5	5	2	4	
7) Other and Unspecified Sites (170-173,190-199)	TOTAL	1,493	2		9	3	5	14	13	21	40	48	66	78	134	158	212	196	178	161	154	1
	WH M	628			3	3	3	5	5	10	20	22	26	35	69	77	90	86	79	54	40	1
	WH F	541	2		4		2	5	1	5	12	13	22	22	38	46	75	65	65	77	87	
	NW M	188			1			2	5	4	6	9	10	10	18	20	26	29	21	14	13	
	NW F	136			1			2	2	2	2	4	8	11	9	15	21	16	13	16	14	
8) Leukemia (204-208)	TOTAL	392	4		6	4	4	5	7	10	5	11	17	19	17	37	54	58	54	38	42	
	WH M	189	2		4	3	3	3	2	4	1	2	10	11	10	19	30	33	25	16	11	
	WH F	143	2		1		1	1	3	3	2	6	4	5	4	12	16	18	21	17	27	
	NW M	41				1		1		3	1	1	2	1	2	3	7	6	6	5	2	
	NW F	19			1				2		1	2	1	2	1	3	1	1	2		2	
9) Other Neoplasms of Lymphatic and Hematopoietic Tissues (200-203)	TOTAL	649			1	1	4	9	7	13	9	14	15	38	46	65	92	102	94	85	54	
	WH M	276			1	1	1	6	4	7	3	8	4	14	22	38	37	37	39	38	16	
	WH F	246					2	1	3	4	3	2	9	12	9	18	37	49	34	33	30	
	NW M	70					1	2		1	2	3	2	5	8	5	11	9	11	8	2	
	NW F	57								1	1	1		7	7	4	7	7	10	6	6	

[continued]

TABLE 41
RESIDENT DEATHS BY CAUSE BY AGE, RACE, AND SEX
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CAUSE OF DEATH WITH ICD CODE	Race\ Sex	TOTAL	AGE IN YEARS																	
			Under 5			10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75-	80-	85	Age
			< 1	1-4	5-9	14	19	24	29	34	39	44	49	54	59	64	69	74	79	84	Up	Unk
Benign Neoplasms and Neoplasms of Unspecified Nature (210-239)	TOTAL	146	2	2	2			3	3	3	5	4	10	3	8	11	18	19	17	14	22	
	WH M	47	1						1	1	3	1	5	1	3	2	10	8	4	3	4	
	WH F	58		1	1				2	1	1	2	3	1	4	6	3	7	8	5	13	
	NW M	20	1		1			1		1	1	1	2		1	3	2	2	1	2	1	
	NW F	21		1				2						1			3	2	4	4	4	
Diabetes Mellitus (250)	TOTAL	887				1	2	2	6	9	13	15	22	41	52	88	128	118	123	118	148	1
	WH M	243				1	2		1	1	4	7	6	17	18	31	37	35	37	23	23	
	WH F	337						2	3	3	4	3	4	6	13	27	35	38	53	63	83	
	NW M	102							1	3	3	2	5	9	8	8	20	16	11	8	7	1
	NW F	205							1	2	2	3	7	9	13	22	36	29	22	24	35	
Nutritional Deficiencies (260-269)	TOTAL	89									1	1	1		2	3	6	7	11	17	40	
	WH M	20									1		1				1	3	4		10	
	WH F	44										1			2	2	2	2	4	12	19	
	NW M	12														1	1	1	1	2	6	
	NW F	13															2	1	2	3	5	
Anemias (280-285)	TOTAL	87						1	3	2	5	2	1	5	4	4	10	9	8	8	25	
	WH M	31									2		1	1	3	1	2	5	2	4	10	
	WH F	26													1	2	5	2	1	4	11	
	NW M	15							2	1	1	1		2		1	2	1	2		2	
	NW F	15						1	1	1	2	1		2			1	1	3		3	
Meningitis (320-322)	TOTAL	29	5	3					1	1			1	2	1	2	4	1	3	4	1	
	WH M	10	2	1					1				1		1	1	2		1	2	1	
	WH F	9												1								
	NW M	5												1		1		1	1	1		
	NW F	5	1	1						1									1	1		
Major Cardiovascular Diseases (390-448)	TOTAL	19,860	44	9	10	4	10	19	35	85	121	263	388	533	863	1,412	2,066	2,553	3,038	3,191	5,213	3
	WH M	7,618	13	2	7		2	10	16	33	58	133	218	278	457	713	987	1,164	1,224	1,065	1,238	
	WH F	8,183	11	4	3	2	4	2	6	11	23	50	59	88	172	334	560	820	1,196	1,594	3,244	
	NW M	1,998	14	3		1	3	5	8	24	30	52	70	112	149	197	298	305	284	230	211	2
	NW F	2,061	6			1	1	2	5	17	10	28	41	55	85	168	221	264	334	302	520	1
1) Diseases of Heart (390-398,402,404-429)	TOTAL	15,311	40	8	10	3	8	16	25	69	94	220	325	450	719	1,177	1,678	1,994	2,304	2,372	3,797	2
	WH M	6,172	13	1	7		1	9	10	27	50	122	196	243	396	625	829	946	944	833	920	
	WH F	6,074	10	4	3	1	3	2	3	9	15	36	47	70	131	269	443	623	904	1,158	2,343	
	NW M	1,533	13	3		1	3	4	7	20	23	45	56	92	122	151	232	229	214	163	154	1
	NW F	1,532	4			1	1	1	5	13	6	17	26	45	70	132	174	196	242	218	380	1
a) Rheumatic Fever and Rheumatic Heart Disease (390-398)	TOTAL	84						1		1	2	2	8	4	7	8	4	12	13	11	11	
	WH M	22									1		4	1	2	4	1	3	5	1		
	WH F	47						1			1	1	3	3	3	1	3	7	6	9	9	
	NW M	7								1			1		1	2			1		1	
	NW F	8										1			1	1		2	1	1	1	
b) Hypertensive Heart Disease (402)	TOTAL	370								1	2	8	9	15	16	25	40	55	47	67	85	
	WH M	94								1		3		3	3	9	14	15	13	19	14	
	WH F	142										1	4	1	1	3	12	16	21	32	51	
	NW M	58									2	1	4	6	9	5	9	10	2	6	4	
	NW F	76										3	1	5	3	8	5	14	11	10	16	

[continued]

TABLE 41
RESIDENT DEATHS BY CAUSE BY AGE, RACE, AND SEX
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CAUSE OF DEATH WITH ICD CODE	Race\ Sex	TOTAL	AGE IN YEARS																			
			Under 5		5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85 Up	Age Unk
			< 1	1-4																		
c) Hypertensive Heart and Renal Disease (404)	TOTAL	55								1	1		1	3	1	4	5	10	10	8	11	
	WH M	11											1	1	1			3	1	1	3	
	WH F	16														2	2	4	3	2	3	
	NW M	13								1	1					1	2	1	4	2	1	
	NW F	15												2		1	1	2	2	3	4	
d) Ischemic Heart Disease (410-414)	TOTAL	9,275				1		3	9	23	52	139	219	301	473	799	1,085	1,286	1,480	1,443	1,961	1
	WH M	4,128						3	4	14	37	92	144	183	284	451	578	644	636	553	505	
	WH F	3,487							2	2	9	14	28	41	90	183	272	395	576	690	1,185	
	NW M	839							2	4	4	28	32	57	60	78	132	142	129	88	82	1
	NW F	821				1			1	3	2	5	15	20	39	87	103	105	139	112	189	
1) Acute Myocardial Infarction (410)	TOTAL	4,567							4	10	23	67	115	156	267	412	562	666	788	705	792	
	WH M	2,069							2	7	16	51	80	93	162	235	302	312	342	255	212	
	WH F	1,703							1	1	4	5	15	21	55	92	151	225	314	356	463	
	NW M	400							1	1	3	11	10	30	27	37	62	70	60	49	39	
	NW F	395								1			10	12	23	48	47	59	72	45	78	
11) Other Ischemic Heart Disease (411-414)	TOTAL	4,708				1		3	5	13	29	72	104	145	206	307	523	620	692	738	1,169	1
	WH M	2,059						3	2	7	21	41	64	90	122	216	276	332	294	298	293	
	WH F	1,784							1	1	5	9	13	20	35	91	121	170	262	334	722	
	NW M	439							1	3	1	17	22	27	33	41	70	72	69	39	43	1
	NW F	426				1			1	2	2	5	5	8	16	39	56	46	67	67	111	
e) Other Diseases of Endocardium (424)	TOTAL	256							1	1	1	3	2	12	4	12	18	35	42	40	85	
	WH M	98											1	4		7	6	22	22	15	21	
	WH F	120								1		2		3	2	4	8	8	15	21	56	
	NW M	15										1	1	1	1		3	2	1	1	4	
	NW F	23							1		1			4	1	1	1	3	4	3	4	
f) All Other Forms of Heart Disease (415-423,425-429)	TOTAL	5,271	40	8	10	2	8	12	15	42	36	68	86	115	218	329	526	596	712	803	1,644	1
	WH M	1,819	13	1	7		1	6	6	12	12	27	46	51	106	154	230	259	267	244	377	
	WH F	2,262	10	4	3	1	3	1	1	6	5	18	12	22	35	76	146	193	283	404	1,039	
	NW M	601	13	3		1	3	4	5	14	16	15	18	28	51	65	86	74	77	66	62	
	NW F	589	4				1	1	3	10	3	8	10	14	26	34	64	70	85	89	166	1
2) Hypertension (401,403)	TOTAL	178									1	1	5	5	15	12	29	30	25	24	31	
	WH M	57											2	1	6	3	12	11	7	6	9	
	WH F	62									1			1	3	2	6	8	11	13	17	
	NW M	24											2	2	4	4	6	5	1			
	NW F	35										1	1	1	2	3	5	6	6	5	5	
3) Cerebrovascular Diseases (430-438)	TOTAL	3,497	4	1			2	1	9	14	23	38	50	63	107	166	263	413	572	654	1,116	1
	WH M	1,024		1			1	1	5	5	7	9	16	26	40	54	90	143	206	173	247	
	WH F	1,673	1				1		3	2	5	13	10	15	32	48	84	160	224	354	721	
	NW M	373	1						1	4	7	6	11	15	22	33	53	55	62	58	44	1
	NW F	427	2							3	4	10	13	7	13	31	36	55	80	69	104	
4) Atherosclerosis (440)	TOTAL	358								1			2	4	4	17	19	32	37	54	188	
	WH M	108								1				3	2	11	6	18	17	14	36	
	WH F	185											1		2	2	5	6	17	28	124	
	NW M	30												1		3	5	6	2	3	10	
	NW F	35											1			1	3	2	1	9	18	

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TABLE 41
RESIDENT DEATHS BY CAUSE BY AGE, RACE, AND SEX
VIRGINIA, 1990

CAUSE OF DEATH WITH ICD CODE	Race\ Sex	TOTAL	AGE IN YEARS																	
			Under 5		5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85 Up	Age Unk
			< 1	1-4																		
5) Other Diseases of Arteries, Arterioles, and Capillaries (441-448)	TOTAL	516				1		2	1	1	3	4	6	11	16	40	77	84	100	87	81	
	WH M	257							1		1	2	4	5	13	20	50	46	50	39	26	
	WH F	189				1					2	1	1	2	4	13	22	23	40	41	39	
	NW M	38						1				1	1	2	1	6	2	10	5	6	3	
	NW F	32						1		1				2		1	3	5	5	1	13	
Acute Bronchitis and Bronchiolitis (466)	TOTAL	17	1									1			1	2	1	1	1	1	8	
	WH M	7	1													1	1	1			3	
	WH F	9										1				1			1	1	5	
	NW M	1													1							
	NW F																					
Pneumonia and Influenza (480-487)	TOTAL	1,712	11	2	2	1	2	2	5	10	13	13	12	22	44	43	118	157	231	325	699	
	WH M	666	1		1	1	2		2	3	3	6	3	8	21	17	55	84	105	136	218	
	WH F	773	3						2	1	5	1	6	5	15	15	34	42	83	156	405	
	NW M	151	4		1			2	1	5	2	6	2	6	4	8	20	18	21	19	32	
	NW F	122	3	2						1	3		1	3	4	3	9	13	22	14	44	
Chronic Obstructive Pulmonary Diseases (490-496)	TOTAL	1,798	1	1	2	3	2	3	3	4	2	9	19	47	77	185	242	341	368	260	229	
	WH M	850			1		1	2	1		1	3	7	16	31	83	116	161	186	124	117	
	WH F	732	1	1		2	1	1				2	7	25	36	73	94	139	145	104	101	
	NW M	158			1	1			1	2	1	4	4	3	7	21	25	33	26	21	8	
	NW F	58							1	2			1	3	3	8	7	8	11	11	3	
Ulcer of Stomach and Duodenum (531-533)	TOTAL	95								1	1	1	1	2	4	10	10	14	18	13	20	
	WH M	43								1	1	1		2	2	5	6	5	8	6	6	
	WH F	37											1		1	4	3	5	6	5	12	
	NW M	10														1	1	3	3	2		
	NW F	5													1			1	1		2	
Appendicitis (540-543)	TOTAL	6	1												1		2	1	1			
	WH M	5	1														2	1	1			
	WH F																					
	NW M																					
	NW F	1													1							
Hernia and Intestinal Obstruction (550-553,560)	TOTAL	123			1					1	2	4	1	3	3	6	4	10	20	26	42	
	WH M	26													1	2	1	3	6	7	6	
	WH F	63			1							3		1	2	2		4	8	12	30	
	NW M	15								1	1	1				1	2	2	3	3	1	
	NW F	19									1		1	2		1	1	1	3	4	5	
Chronic Liver Disease and Cirrhosis (571)	TOTAL	490	1						1	10	14	29	46	42	59	67	69	61	64	16	11	
	WH M	241	1							4	3	14	23	22	25	38	41	29	32	6	3	
	WH F	123									3	3	6	9	14	15	21	16	21	8	7	
	NW M	72							1	2	6	7	9	9	13	12	3	4	4	2		
	NW F	54								4	2	5	8	2	7	2	4	12	7		1	
Cholelithiasis and Other Disorders of Gall Bladder (574-575)	TOTAL	54														1	12	6	7	12	15	1
	WH M	20															7	2	4	5	2	
	WH F	30														1	5	3	2	7	11	1
	NW M	1																1				
	NW F	3																	1		2	

[continued]

TABLE 41
RESIDENT DEATHS BY CAUSE BY AGE, RACE, AND SEX
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CAUSE OF DEATH WITH ICD CODE	Race\ Sex	TOTAL	AGE IN YEARS																			
			Under 5		5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85 Up	Age Unk
			< 1	1-4																		
Nephritis, Nephrotic Syndrome, and Nephrosis (580-589)	TOTAL	487	3					1	1		5	8	7	9	15	41	48	61	85	89	114	
	WH M	171	1								1	1	2	1	2	15	19	18	35	32	44	
	WH F	151	1									1		1	2	9	15	20	25	31	46	
	NW M	80									1	2	3	3	7	10	7	11	15	13	8	
	NW F	85	1					1	1		3	4	2	4	4	7	7	12	10	13	16	
Infections of Kidney (590)	TOTAL	15												1	1	1	1	1	1	4	5	
	WH M	6													1				1	2	2	
	WH F	6												1				1		1	3	
	NW M	2																		1		
	NW F	1														1	1			1		
Hyperplasia of Prostate (600)	TOTAL	5																	2	1	2	
	WH M	4																	2	1	1	
	WH F																					
	NW M	1																			1	
	NW F																					
Complications of Pregnancy, Childbirth, and the Puerperium (630-676)	TOTAL	4						1	2	1												
	WH M																					
	WH F	3						1	1	1												
	NW M																					
	NW F	1							1													
Congenital Anomalies (740-759)	TOTAL	285	179	18		4	6	15	9	3	6	3	5	2	1	7	3	4	9	5	6	
	WH M	110	66	3		2	2	8	5	2	4		1	1		5	2	2	2	3	2	
	WH F	92	61	7		1	1	3	1		1	1	4	1	1			2	6	1	1	
	NW M	47	29	7			2	1	2	1	1	1				1	1		1			
	NW F	36	23	1		1	1	3	1			1				1				1	3	
Certain Conditions Originating in the Perinatal Period (760-779)	TOTAL	522	522																			
	WH M	138	138																			
	WH F	97	97																			
	NW M	161	161																			
	NW F	126	126																			
Symptoms and Ill-Defined Conditions (780-799)	TOTAL	513	127	5	2	1	2	4	7	9	10	6	7	5	17	20	22	33	41	51	144	
	WH M	174	49	2	1		2	1	5	5	5		2	3	5	7	8	10	18	14	32	
	WH F	204	25	2	1			2	1	1	2		4	2	2	6	7	14	14	25	96	
	NW M	71	30					1	1	3	2	1	1		7	4	5	5	4	5	2	
	NW F	64	23	1		1					1				3	3	2	4	5	7	14	
All Other Diseases (Residual)	TOTAL	4,130	55	16	16	10	15	19	32	51	53	85	121	126	155	224	354	455	577	665	1,101	
	WH M	1,409	19	8	8	5	4	10	11	11	22	34	44	48	64	96	166	177	218	201	263	
	WH F	1,786	16	4	2	5	5	4	6	10	11	16	30	31	44	65	101	172	241	348	675	
	NW M	503	8	4	4		4	4	12	15	12	27	28	33	26	42	57	45	65	54	63	
	NW F	432	12		2		2	1	3	15	8	8	19	14	21	21	30	61	53	62	100	
Accidents (E800-E949)	TOTAL	2,140	28	59	16	44	195	184	194	175	162	107	77	79	98	95	96	117	118	117	158	1
	WH M	1,077	9	22	14	21	125	121	109	102	82	51	39	44	50	51	44	60	53	36	43	1
	WH F	569	5	23	7	7	37	35	33	27	31	26	18	19	22	16	24	32	52	62	93	
	NW M	358	9	10	10	12	26	24	45	32	42	25	16	13	15	22	13	18	8	8	10	
	NW F	136	5	4	5	4	7	4	7	14	7	5	4	3	11	6	15	7	5	11	12	

[continued]

TABLE 41
RESIDENT DEATHS BY CAUSE BY AGE, RACE, AND SEX
VIRGINIA, 1990

CAUSE OF DEATH WITH ICD CODE	Race\ Sex	TOTAL	AGE IN YEARS																	
			Under 5			10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75-	80-	85	Age
			< 1	1-4	5-9	14	19	24	29	34	39	44	49	54	59	64	69	74	79	84	Up	Unk
1) Motor Vehicle Accidents (E810-E825)	TOTAL	1,036	6	23	19	24	157	139	132	99	85	54	43	45	44	37	33	34	24	21	16	1
	WH M	551	4	7	10	11	100	88	74	53	40	23	21	25	19	19	17	14	10	8	7	1
	WH F	259		11	3	6	36	33	28	20	22	15	11	10	13	7	8	10	10	9	7	
	NW M	163	2	3	4	5	15	14	26	20	20	12	7	7	5	10	4	5	2	2		
	NW F	63		2	2	2	6	4	4	6	3	4	4	3	7	1	4	5	2	2	2	
2) Home Accidents (Home E850-E949)	TOTAL	379	15	26	11	7	13	10	17	28	12	17	12	11	18	15	24	27	28	30	38	
	WH M	155	3	10	1	2	9	7	9	16	12	6	8	6	6	8	8	13	14	6	11	
	WH F	117	5	8	4			2	1	4	4	6	3	3	5	1	8	9	11	20	23	
	NW M	75	4	6	3	3	3	1	4	3	13	5	1	2	5	6	4	5	2	2	3	
	NW F	32	3	2	3	2	1		3	5	3				2		4		1	2	1	
3) All Other Accidents (E800-E807,E826-E849) (Other E850-E949)	TOTAL	725	7	10	6	13	25	35	45	48	45	36	22	23	36	43	39	56	56	66	104	
	WH M	371	2	5	3	8	16	26	26	33	30	22	10	13	25	24	19	33	29	22	25	
	WH F	193		4		1	1		4	3	5	5	4	6	4	8	8	13	31	33	63	
	NW M	120	3	1	3	4	8	9	15	9	9	8	8	4	5	6	5	8	4	4	7	
	NW F	41	2							3	1	1			2	5	7	2	2	7	9	
Suicide (E950-E959)	TOTAL	793				4	41	67	87	82	93	60	64	54	38	51	49	40	23	27	12	1
	WH M	559				2	31	49	53	55	57	43	47	42	26	38	35	31	20	20	9	1
	WH F	141				1	5	7	16	15	23	10	13	7	10	8	11	6	2	5	2	
	NW M	78				1	4	11	17	9	11	5	4	2	1	5	2	2	1	2	1	
	NW F	15					1		1	3	2	2		3	1		1	1				
Homicide and Legal Intervention (E960-E978)	TOTAL	576	4	6	6	6	70	94	106	82	58	41	32	12	9	15	10	10	7	3	2	3
	WH M	159			2		17	18	26	25	19	11	11	5	4	6	6	4	3			2
	WH F	70		1	1	2	4	11	12	6	9	4	8	3	1	2		2	2	1	1	
	NW M	268	2	2	3	2	43	57	56	37	22	22	10	3	2	3		4				
	NW F	79	2	3		2	6	8	12	14	8	4	3	1	2	4	4		2	2	1	1
Other External Causes (E980-E999)	TOTAL	43	2	1			5	6	3	6	4	7	1	1	2	1		2	1		1	
	WH M	23					3	5	1	3	3	4	1	1	2							
	WH F	9		1				1	1	2	1	1						1				
	NW M	6					2					2				1		1	1			
	NW F	5	2						1	1								1			1	

NOTE: The age/race/sex totals exclude one death with an unknown sex.

TABLE 42
FIVE LEADING CAUSES OF DEATH IN SPECIFIED AGE GROUPS BY RACE
VIRGINIA, 1990

AGE AT DEATH		TOTAL		WHITE		NONWHITE	
		Number	Percent	Number	Percent	Number	Percent
Total Deaths	All Causes	47,652	100.0	37,076	100.0	10,576	100.0
Diseases of Heart (390-398,402,404-429)		15,311	32.1	12,246	33.0	3,065	29.0
Malignant Neoplasms (140-208)		11,528	24.2	9,061	24.4	2,467	23.3
Cerebrovascular Diseases (430-438)		3,497	7.3	2,697	7.3	800	7.6
All Accidents (E800-E949)		2,140	4.5	1,646	4.4	494	4.7
Chronic Obstructive Pulmonary Diseases (490-496)		1,798	3.8	1,582	4.3	216	2.0
All Other Causes		13,378	28.1	9,844	26.6	3,534	33.4
Under 1 Year	All Causes	1,005	100.0	532	100.0	473	100.0
Certain Conditions Originating in the Perinatal Period (760-779)		522	51.9	235	44.2	287	60.7
Congenital Anomalies (740-759)		179	17.8	127	23.9	52	11.0
Diseases of Heart (390-398,402,404-429)		40	4.0	23	4.3	17	3.6
All Accidents (E800-E949)		28	2.8	14	2.6	14	3.0
Pneumonia and Influenza (480-487)		11	1.1	4	0.8	7	1.5
All Other Causes		225	22.4	129	24.2	96	20.3
1-4 Years	All Causes	138	100.0	97	100.0	41	100.0
All Accidents (E800-E949)		59	42.8	45	46.4	14	34.1
Congenital Anomalies (740-759)		18	13.0	10	10.3	8	19.5
Diseases of Heart (390-398,402,404-429)		8	5.8	5	5.2	3	7.3
Malignant Neoplasms (140-208)		7	5.1	7	7.2		0.0
Homicide and Legal Intervention (E960-E978)		6	4.3	1	1.0	5	12.2
All Other Causes		40	29.0	29	29.9	11	26.8
5-14 Years	All Causes	191	100.0	131	100.0	60	100.0
All Accidents (E800-E949)		80	41.9	49	37.4	31	51.7
Malignant Neoplasms (140-208)		31	16.2	25	19.1	6	10.0
Diseases of Heart (390-398,402,404-429)		13	6.8	11	8.4	2	3.3
Homicide and Legal Intervention (E960-E978)		12	6.3	5	3.8	7	11.7
Chronic Obstructive Pulmonary Diseases (490-496)		5	2.6	3	2.3	2	3.3
All Other Causes		50	26.2	38	29.0	12	20.0
15-24 Years	All Causes	835	100.0	585	100.0	250	100.0
All Accidents (E800-E949)		379	45.4	318	54.4	61	24.4
Homicide and Legal Intervention (E960-E978)		164	19.6	50	8.5	114	45.6
Suicide (E950-E959)		108	12.9	92	15.7	16	6.4
Malignant Neoplasms (140-208)		45	5.4	35	6.0	10	4.0
Diseases of Heart (390-398,402,404-429)		24	2.9	15	2.6	9	3.6
All Other Causes		115	13.8	75	12.8	40	16.0
25-44 Years	All Causes	3,124	100.0	2,046	100.0	1,078	100.0
All Accidents (E800-E949)		638	20.4	461	22.5	177	16.4
Malignant Neoplasms (140-208)		519	16.6	387	18.9	132	12.2
Diseases of Heart (390-398,402,404-429)		408	13.1	272	13.3	136	12.6
Suicide (E950-E959)		322	10.3	272	13.3	50	4.6
Homicide and Legal Intervention (E960-E978)		287	9.2	112	5.5	175	16.2
All Other Causes		950	30.4	542	26.5	408	37.8
45-64 Years	All Causes	9,212	100.0	6,768	100.0	2,444	100.0
Malignant Neoplasms (140-208)		3,460	37.6	2,621	38.7	839	34.3
Diseases of Heart (390-398,402,404-429)		2,671	29.0	1,977	29.2	694	28.4
Cerebrovascular Diseases (430-438)		396	4.2	241	3.6	145	5.9
All Accidents (E800-E949)		349	3.8	259	3.8	90	3.7
Chronic Obstructive Pulmonary Diseases (490-496)		328	3.6	278	4.1	50	2.0
All Other Causes		2,018	21.9	1,392	20.6	626	25.6
65-74 Years	All Causes	11,097	100.0	8,603	100.0	2,494	100.0
Diseases of Heart (390-398,402,404-429)		3,672	33.1	2,841	33.0	831	33.3
Malignant Neoplasms (140-208)		3,608	32.5	2,872	33.4	736	29.5
Cerebrovascular Diseases (430-438)		676	6.1	477	5.5	199	8.0
Chronic Obstructive Pulmonary Diseases (490-496)		583	5.3	510	5.9	73	2.9
Pneumonia and Influenza (480-487)		275	2.5	215	2.5	60	2.4
All Other Causes		2,283	20.6	1,688	19.6	595	23.9
75 and Over	All Causes	22,036	100.0	18,305	100.0	3,731	100.0
Diseases of Heart (390-398,402,404-429)		8,473	38.5	7,102	38.8	1,371	36.7
Malignant Neoplasms (140-208)		3,856	17.5	3,112	17.0	744	19.9
Cerebrovascular Diseases (430-438)		2,342	10.6	1,925	10.5	417	11.2
Pneumonia and Influenza (480-487)		1,255	5.7	1,103	6.0	152	4.1
Chronic Obstructive Pulmonary Diseases (490-496)		857	3.9	777	4.2	80	2.1
All Other Causes		5,253	23.8	4,286	23.4	967	25.9
Age Unknown	All Causes	13		8		5	

TABLE 43
RESIDENT ACCIDENTAL DEATHS BY AGE AND TYPE OF ACCIDENT
VIRGINIA, 1990

TYPE OF ACCIDENT	TOTAL	AGE IN YEARS												
		Under 5		5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85 Up	Age Unk
		< 1	1-4												
TOTAL DEATHS DUE TO ACCIDENTS	2,140	28	59	36	44	195	184	369	269	156	193	213	235	158	1
Railway (E800-E807)	15		1			3	2	4	2			2	1		
Motor Vehicle (E810-E825)	1,036	6	23	19	24	157	139	231	139	88	81	67	45	16	1
Other Road Vehicle (E826-E829)	5							1	1	1		2			
Water Transport (E830-E838)	23			1	2			4	5	6	4		1		
Aircraft (E840-E845)	25				1		1	5	9	4	4	1			
Off the Road Vehicle (E846-E848)	1							1							
Poisoning by Drugs (E850-E858)	76					1	3	27	21	7	5	6	4	2	
Poisoning by Other Solids and Liquids (E860-E866)	38				1			9	11	6	5	6			
Poisoning by Gases and Vapors (E867-E869)	23					5	2	2	7		4	2		1	
Surgical and Medical Misadventures and Complications (E870-E879)	74	1		1			1	3	3		6	16	28	15	
Falls (E880-E888)	250		4	1		1	2	13	10	7	19	39	78	76	
Fires (E890-E899)	101	1	10	7	5		3	8	11	9	9	16	15	7	
Excessive Heat or Cold or Exposure (E900-E904)	24	1	2					1	5	1	4	4	2	4	
Insects and Animals (E905-E906)	9							1	1		3	3	1		
Lightning (E907)	1				1										
Cataclysmic Events (E908-E909)	3							1	1			1			
Drowning and Submersion (E910)	106	1	12	3	5	11	10	22	14	5	9	7	4	3	
Suffocation From Inhaled or Ingested Object (E911-E912)	111	5	1		1		1	3	4	7	15	20	30	24	
Mechanical Suffocation (E913)	29	12	2		1		2	3	4	2	2			1	
Falling or Projected Object or Caught Between Objects (E916-E918)	29		1	1			5	6	4	5	4	2	1		
Machinery (E919)	31							4	4	2	6	8	6	1	
Explosion of Pressure Vessel (E921)	1					1									
Firearms (E922)	33			2	1	11	6	7	3	1	2				
Explosive Materials (E923)	5					1		2	1			1			
Hot Substance, Corrosive Material, Steam (E924)	5	1	1						1				2		
Electric Current (E925)	22					3	7	8		2	2				
Other and Unspecified Environmental Causes (E928)	49		1	1	1	1		2	6	2	5	8	15	7	
Late Effects (E929)	10				1			1	2	1	3	1	1		
Drugs Causing Adverse Effects in Therapeutic Use (E930-E949)	5		1								1	1	1	1	

TABLE 44

RESIDENT HOME ACCIDENTAL DEATHS BY AGE AND TYPE OF ACCIDENT

(Included in Tabulation of All Accidental Deaths)

VIRGINIA, 1990

TYPE OF ACCIDENT	TOTAL	AGE IN YEARS													
		Under 5		5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85 Up	Age Unk
		< 1	1-4												
TOTAL DEATHS DUE TO ACCIDENTS	386	15	30	11	7	13	10	45	49	23	34	52	59	38	
Motor Vehicle (E810-E825)	7		4								1	1	1		
Poisoning by Drugs (E850-E858)	33					1	2	13	15	2					
Poisoning by Other Solids and Liquids (E860-E866)	21				1			5	4	4	2	5			
Poisoning by Gases and Vapors (E867-E869)	11					2	2	1	3		2	1			
Surgical and Medical Misadventures and Complications (E870-E879)	1												1		
Falls (E880-E888)	105		4			1		3	3	3	12	18	30	31	
Fires (E890-E899)	98	1	10	7	5		3	8	10	8	9	16	15	6	
Excessive Heat or Cold or Exposure (E900-E904)	6	1	1								1	1	2		
Insects and Animals (E905-E906)	5							1	1		1	1	1		
Lightning (E907)	1				1										
Cataclysmic Events (E908-E909)	2							1	1						
Drowning and Submersion (E910)	25		7	1		1	1	3	3	2	1	4	1	1	
Suffocation From Inhaled or Ingested Object (E911-E912)	4	1								1			2		
Mechanical Suffocation (E913)	22	12	2					3	3	1	1				
Falling or Projected Object or Caught Between Objects (E916-E918)	7		1	1				1	2		1	1			
Machinery (E919)	8								1		1	3	3		
Explosion of Pressure Vessel (E921)	1					1									
Firearms (E922)	16			2		6	2	4	1	1					
Explosive Material (E923)	2					1						1			
Hot Substance, Corrosive Material, Steam (E924)	4		1						1				2		
Electric Current (E925)	5							2		1	2				
Other and Unspecified Environmental Causes (E928)	2								1				1		

TABLE 45
DEATHS OCCURRING IN VIRGINIA AND TO RESIDENTS OF VIRGINIA BY CAUSE OF DEATH AND BY RACE VIRGINIA, 1990

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	DEATHS OCCURRING IN VIRGINIA			DEATHS TO RESIDENTS OF VIRGINIA		
	Total	White	Nonwhite	Total	White	Nonwhite
ALL CAUSES OF DEATH	47,452	36,756	10,696	47,652	37,076	10,576
1) Shigellosis and Amebiasis 004,006						
2) Certain Other Intestinal Infections .. 007-009	5	2	3	5	2	3
3) Tuberculosis, All Forms 010-018	24	14	10	26	16	10
4) Whooping Cough 033						
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas 034-035						
6) Meningococcal Infection 036	4	3	1	4	3	1
7) Septicemia 038	637	444	193	639	451	188
8) Acute Poliomyelitis 045						
9) Measles 055						
10) Viral Hepatitis 070	18	14	4	20	16	4
11) Syphilis 090-097	5		5	5		5
12) Other Infectious & Parasitic Diseases ..... Residual of 001-139	488	290	198	518	317	201
13) Malignant Neoplasms 140-208	11,332	8,857	2,475	11,528	9,061	2,467
14) Lip, Oral Cavity, and Pharynx 140-149	182	136	46	185	140	45
15) Digestive Organs and Peritoneum 150-159	2,541	1,885	656	2,570	1,919	651
16) Respiratory & Intrathoracic Organs . 160-165	3,418	2,766	652	3,455	2,807	648
17) Breast 174-175	1,016	819	197	1,041	847	194
18) Genital Organs 179-187	1,289	947	342	1,312	970	342
19) Urinary Organs 188-189	422	348	74	431	355	76
20) Other & Unspecified Sites .. 170-173,190-199	1,469	1,146	323	1,493	1,169	324
21) Leukemia 204-208	372	313	59	392	332	60
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues 200-203	623	497	126	649	522	127
23) Benign Neoplasms and Neoplasms of Unspecified Nature 210-239	149	107	42	146	105	41
24) Diabetes Mellitus 250	865	554	311	887	580	307
25) Nutritional Deficiencies 260-269	88	63	25	89	64	25
26) Anemias 280-285	87	58	29	87	57	30
27) Meningitis 320-322	29	20	9	29	19	10
28) Major Cardiovascular Diseases 390-448	19,963	15,851	4,112	19,860	15,801	4,059
29) Diseases of Heart 390-398,402,404-429	15,423	12,321	3,102	15,311	12,246	3,065
30) Rheumatic Fever and Rheumatic Heart Disease 390-398	81	66	15	84	69	15
31) Hypertensive Heart Disease 402	365	234	131	370	236	134
32) Hypertensive Heart & Renal Disease 404	55	29	26	55	27	28
33) Ischemic Heart Disease 410-414	9,293	7,606	1,687	9,275	7,615	1,660
34) Acute Myocardial Infarction 410	4,563	3,756	807	4,567	3,772	795
35) Other Ischemic Heart Disease ... 411-414	4,730	3,850	880	4,708	3,843	865
36) Other Diseases of Endocardium 424	271	229	42	256	218	38
37) All Other Forms of Heart Disease 415-423,425-429	5,358	4,157	1,201	5,271	4,081	1,190
38) Hypertension 401,403	183	121	62	178	119	59
39) Cerebrovascular Diseases 430-438	3,490	2,680	810	3,497	2,697	800
40) Atherosclerosis 440	354	291	63	358	293	65
41) Other Diseases of Arteries, Arterioles, and Capillaries 441-448	513	438	75	516	446	70
42) Acute Bronchitis and Bronchiolitis ... 466	17	16	1	17	16	1
43) Pneumonia and Influenza 480-487	1,701	1,423	278	1,712	1,439	273
44) Chronic Obstructive Pulmonary Diseases 490-496	1,785	1,568	217	1,798	1,582	216
45) Ulcer of Stomach and Duodenum 531-533	97	81	16	95	80	15
46) Appendicitis 540-543	5	4	1	6	5	1
47) Hernia & Intestinal Obstruction .. 550-553,560	124	89	35	123	89	34
48) Chronic Liver Disease and Cirrhosis .. 571	472	348	124	490	364	126
49) Cholelithiasis and Other Disorders of Gall Bladder 574-575	48	44	4	54	50	4
50) Nephritis, Nephrotic Syndrome, and Nephrosis 580-589	488	324	164	487	322	165
51) Infections of Kidney 590	15	12	3	15	12	3
52) Hyperplasia of Prostate 600	5	4	1	5	4	1
53) Complications of Pregnancy, Childbirth, and the Puerperium 630-676	4	2	2	4	3	1
54) Congenital Anomalies 740-759	266	187	79	285	202	83
55) Certain Conditions Originating in the Perinatal Period 760-779	508	221	287	522	235	287
56) Symptoms and Ill-Defined Conditions .. 780-799	498	363	135	513	378	135
57) All Other Diseases ..... Residual	4,122	3,180	942	4,130	3,195	935
58) Accidents E800-E949	2,198	1,669	529	2,140	1,646	494
59) Motor Vehicle Accidents E810-E825	1,094	838	256	1,036	810	226
60) Home Accidents ..... Home E850-E949	375	270	105	379	272	107
61) All Other Accidents ..... E800-E807, E826-E849, Other E850-E949	729	561	168	725	564	161
62) Suicide E950-E959	787	690	97	793	700	93
63) Homicide and Legal Intervention E960-E978	575	224	351	577	230	347
64) Other External Causes E980-E999	43	30	13	43	32	11

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 1
BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1990

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	PLANNING DISTRICT TOTAL			DISTRICT COUNTIES AND CITY							
				Lee		Scott		Wise		Norton	
	Total	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES OF DEATH	961	951	10	265		248	5	385	5	53	
1) Shigellosis and Amebiasis 004,006											
2) Certain Other Intestinal Infections .. 007-009											
3) Tuberculosis, All Forms 010-018	1	1						1			
4) Whooping Cough 033											
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas 034-035											
6) Meningococcal Infection 036											
7) Septicemia 038	9	9		2		1		6			
8) Acute Poliomyelitis 045											
9) Measles 055											
10) Viral Hepatitis 070											
11) Syphilis 090-097											
12) Other Infectious & Parasitic Diseases ..... Residual of 001-139	5	5		2		2		1			
13) Malignant Neoplasms 140-208	198	197	1	57		48	1	80		12	
14) Lip, Oral Cavity, and Pharynx 140-149	3	3		1				2			
15) Digestive Organs and Peritoneum 150-159	33	33		13		11		9			
16) Respiratory & Intrathoracic Organs . 160-165	93	92	1	26		16	1	41		9	
17) Breast 174-175	10	10		2		4		4			
18) Genital Organs 179-187	17	17		3		6		8			
19) Urinary Organs 188-189	4	4				1		2		1	
20) Other & Unspecified Sites .. 170-173,190-199	24	24		9		6		9			
21) Leukemia 204-208	5	5		1		1		2		1	
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues 200-203	9	9		2		3		3		1	
23) Benign Neoplasms and Neoplasms of Unspecified Nature 210-239	1	1				1					
24) Diabetes Mellitus 250	11	11		3		6		2			
25) Nutritional Deficiencies 260-269	6	6		2				4			
26) Anemias 280-285	2	2						2			
27) Meningitis 320-322	1	1		1							
28) Major Cardiovascular Diseases 390-448	425	422	3	126		120	2	153	1	23	
29) Diseases of Heart 390-398,402,404-429	332	330	2	103		87	1	120	1	20	
30) Rheumatic Fever and Rheumatic Heart Disease 390-398	2	2						1		1	
31) Hypertensive Heart Disease 402	4	4				2		1		1	
32) Hypertensive Heart & Renal Disease 404	2	2		2							
33) Ischemic Heart Disease 410-414	239	238	1	74		70		82	1	12	
34) Acute Myocardial Infarction 410	140	140		50		36		50		4	
35) Other Ischemic Heart Disease ... 411-414	99	98	1	24		34		32	1	8	
36) Other Diseases of Endocardium 424	5	5		3		1				1	
37) All Other Forms of Heart Disease 415-423,425-429	80	79	1	24		14	1	36		5	
38) Hypertension 401,403	6	6		3		2		1			
39) Cerebrovascular Diseases 430-438	60	60		17		27		14		2	
40) Atherosclerosis 440	17	16	1			3	1	12		1	
41) Other Diseases of Arteries, Arterioles, and Capillaries 441-448	10	10		3		1		6			
42) Acute Bronchitis and Bronchiolitis ... 466											
43) Pneumonia and Influenza 480-487	35	35		6		9		15		5	
44) Chronic Obstructive Pulmonary Diseases 490-496	53	53		9		15		29			
45) Ulcer of Stomach and Duodenum 531-533	1	1						1			
46) Appendicitis 540-543											
47) Hernia & Intestinal Obstruction .. 550-553,560	2	2		1						1	
48) Chronic Liver Disease and Cirrhosis .. 571	17	17		4		5		8			
49) Cholelithiasis and Other Disorders of Gall Bladder 574-575	3	3				1		1		1	
50) Nephritis, Nephrotic Syndrome, and Nephrosis 580-589	17	16	1	8		1		5	1	2	
51) Infections of Kidney 590	1	1		1							
52) Hyperplasia of Prostate 600											
53) Complications of Pregnancy, Childbirth, and the Puerperium 630-676											
54) Congenital Anomalies 740-759	5	4	1	1			1	3			
55) Certain Conditions Originating in the Perinatal Period 760-779	2	2						2			
56) Symptoms and Ill-Defined Conditions .. 780-799	5	5		1				3		1	
57) All Other Diseases ..... Residual	86	84	2	18		17		44	2	5	
58) Accidents E800-E949	49	48	1	16		13	1	16		3	
59) Motor Vehicle Accidents E810-E825	25	25		8		8		7		2	
60) Home Accidents ..... Home E850-E949	2	2				1		1			
61) All Other Accidents ..... E800-E807, E826-E849, Other E850-E949	22	21	1	8		4	1	8		1	
62) Suicide E950-E959	18	17	1	4		6		7	1		
63) Homicide and Legal Intervention E960-E978	6	6		2		3		1			
64) Other External Causes E980-E999	2	2		1				1			

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 2 BY CAUSE OF DEATH AND BY RACE VIRGINIA, 1990

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	PLANNING DISTRICT TOTAL			DISTRICT COUNTIES							
				Buchanan		Dickenson		Russell		Tazewell	
	Total	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES OF DEATH	1,201	1,177	24	273	1	179		273	6	452	17
1) Shigellosis and Amebiasis 004,006											
2) Certain Other Intestinal Infections .. 007-009											
3) Tuberculosis, All Forms 010-018											
4) Whooping Cough 033											
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas 034-035											
6) Meningococcal Infection 036											
7) Septicemia 038	19	19		2		3		5		9	
8) Acute Poliomyelitis 045											
9) Measles 055											
10) Viral Hepatitis 070											
11) Syphilis 090-097											
12) Other Infectious & Parasitic Diseases ..... Residual of 001-139	2	2						2			
13) Malignant Neoplasms 140-208	261	256	5	45		42		61	1	108	4
14) Lip, Oral Cavity, and Pharynx 140-149	3	3				1		1		1	
15) Digestive Organs and Peritoneum 150-159	58	57	1	11		10		12		24	1
16) Respiratory & Intrathoracic Organs . 160-165	90	90		15		14		22		39	
17) Breast 174-175	20	20		2		3		5		10	
18) Genital Organs 179-187	22	21	1	2		6		5	1	8	
19) Urinary Organs 188-189	9	8	1	1		2		3		2	1
20) Other & Unspecified Sites .. 170-173,190-199	35	33	2	6		4		10		13	2
21) Leukemia 204-208	10	10		4		1		2		3	
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues 200-203	14	14		4		1		1		8	
23) Benign Neoplasms and Neoplasms of Unspecified Nature 210-239	5	5		2				1		2	
24) Diabetes Mellitus 250	27	27		6		4		8		9	
25) Nutritional Deficiencies 260-269											
26) Anemias 280-285	2	2		1						1	
27) Meningitis 320-322											
28) Major Cardiovascular Diseases 390-448	504	491	13	122	1	91		104	3	174	9
29) Diseases of Heart 390-398,402,404-429	412	403	9	103	1	74		89	2	137	6
30) Rheumatic Fever and Rheumatic Heart Disease 390-398	4	4		1						3	
31) Hypertensive Heart Disease 402	8	8		1		4				3	
32) Hypertensive Heart & Renal Disease 404											
33) Ischemic Heart Disease 410-414	308	304	4	86	1	59		65	1	94	2
34) Acute Myocardial Infarction 410	195	194	1	67		41		30		56	1
35) Other Ischemic Heart Disease ... 411-414	113	110	3	19	1	18		35	1	38	1
36) Other Diseases of Endocardium 424	4	4				1		1		2	
37) All Other Forms of Heart Disease 415-423,425-429	88	83	5	15		10		23	1	35	4
38) Hypertension 401,403	2	2		1						1	
39) Cerebrovascular Diseases 430-438	76	73	3	18		10		13	1	32	2
40) Atherosclerosis 440	6	5	1			3		1		1	1
41) Other Diseases of Arteries, Arterioles, and Capillaries 441-448	8	8				4		1		3	
42) Acute Bronchitis and Bronchiolitis ... 466	2	2				1				1	
43) Pneumonia and Influenza 480-487	50	49	1	11		7		12		19	1
44) Chronic Obstructive Pulmonary Diseases 490-496	73	72	1	17		12		19		24	1
45) Ulcer of Stomach and Duodenum 531-533	4	4		1		1		1		1	
46) Appendicitis 540-543											
47) Hernia & Intestinal Obstruction .. 550-553,560	4	4				1		3			
48) Chronic Liver Disease and Cirrhosis .. 571	12	12		3				2		7	
49) Cholelithiasis and Other Disorders of Gall Bladder 574-575	7	7		1				2		4	
50) Nephritis, Nephrotic Syndrome, and Nephrosis 580-589	8	8		2		2		2		2	
51) Infections of Kidney 590											
52) Hyperplasia of Prostate 600	1	1								1	
53) Complications of Pregnancy, Childbirth, and the Puerperium 630-676											
54) Congenital Anomalies 740-759	5	5		1		1				3	
55) Certain Conditions Originating in the Perinatal Period 760-779	5	5		2		1		2			
56) Symptoms and Ill-Defined Conditions .. 780-799	11	10	1	2		2		3		3	1
57) All Other Diseases ..... Residual	96	93	3	22		4		22	2	45	1
58) Accidents E800-E949	71	71		23		7		15		26	
59) Motor Vehicle Accidents E810-E825	33	33		12		2		10		9	
60) Home Accidents ..... Home E850-E949	14	14		6		2				6	
61) All Other Accidents ..... E800-E807, E826-E849, Other E850-E949	24	24		5		3		5		11	
62) Suicide E950-E959	26	26		9				7		10	
63) Homicide and Legal Intervention E960-E978	5	5						2		3	
64) Other External Causes E980-E999	1	1		1							

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 3 BY CAUSE OF DEATH AND BY RACE VIRGINIA, 1990

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	PLANNING DISTRICT TOTAL			DISTRICT COUNTIES AND CITIES							
				Bland		Carroll		Grayson		Smyth	
	Total	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES OF DEATH	1,923	1,868	55	71	1	242		182	8	355	5
1) Shigellosis and Amebiasis 004,006											
2) Certain Other Intestinal Infections .. 007-009											
3) Tuberculosis, All Forms 010-018	2	2									
4) Whooping Cough 033										1	
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas 034-035											
6) Meningococcal Infection 036											
7) Septicemia 038	15	14	1	3		3		2		1	
8) Acute Poliomyelitis 045											
9) Measles 055											
10) Viral Hepatitis 070	1	1								1	
11) Syphilis 090-097											
12) Other Infectious & Parasitic Diseases ..... Residual of 001-139	5	4	1			1			1		
13) Malignant Neoplasms 140-208	423	409	14	18		49		25	3	97	2
14) Lip, Oral Cavity, and Pharynx 140-149	4	4								2	
15) Digestive Organs and Peritoneum 150-159	79	76	3	3		13		4		14	
16) Respiratory & Intrathoracic Organs . 160-165	130	124	6	8		12		7	1	30	1
17) Breast 174-175	37	36	1			5		1	1	7	
18) Genital Organs 179-187	51	48	3	4		3		3	1	13	1
19) Urinary Organs 188-189	22	22		1		6		1		5	
20) Other & Unspecified Sites .. 170-173,190-199	54	54		1		5		5		15	
21) Leukemia 204-208	16	16				3		2		4	
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues 200-203	30	29	1	1		2		2		7	
23) Benign Neoplasms and Neoplasms of Unspecified Nature 210-239	4	4						1			
24) Diabetes Mellitus 250	39	35	4	2		5				11	
25) Nutritional Deficiencies 260-269	2	1	1			1					
26) Anemias 280-285	2	2									
27) Meningitis 320-322	1	1									
28) Major Cardiovascular Diseases 390-448	844	825	19	28		116		90	3	146	2
29) Diseases of Heart 390-398,402,404-429	648	636	12	20		85		68	3	121	1
30) Rheumatic Fever and Rheumatic Heart Disease 390-398	1	1									
31) Hypertensive Heart Disease 402	13	13								4	
32) Hypertensive Heart & Renal Disease 404	3	2	1							2	
33) Ischemic Heart Disease 410-414	441	435	6	17		55		49	2	74	1
34) Acute Myocardial Infarction 410	262	258	4	6		26		42	2	50	1
35) Other Ischemic Heart Disease ... 411-414	179	177	2	11		29		7		24	
36) Other Diseases of Endocardium 424	9	9				3					
37) All Other Forms of Heart Disease 415-423,425-429	181	176	5	3		27		19	1	41	
38) Hypertension 401,403	9	9				1		1		1	
39) Cerebrovascular Diseases 430-438	143	138	5	4		23		13		23	1
40) Atherosclerosis 440	23	22	1	3		2		6			
41) Other Diseases of Arteries, Arterioles, and Capillaries 441-448	21	20	1	1		5		2		1	
42) Acute Bronchitis and Bronchiolitis ... 466	1	1									
43) Pneumonia and Influenza 480-487	117	112	5	1	1	13		12		18	
44) Chronic Obstructive Pulmonary Diseases 490-496	80	78	2	6		9		3	1	18	
45) Ulcer of Stomach and Duodenum 531-533	5	5								2	
46) Appendicitis 540-543	1	1									
47) Hernia & Intestinal Obstruction .. 550-553,560	2	2								1	
48) Chronic Liver Disease and Cirrhosis .. 571	20	19	1					2		5	
49) Cholelithiasis and Other Disorders of Gall Bladder 574-575	3	3								2	
50) Nephritis, Nephrotic Syndrome, and Nephrosis 580-589	23	20	3			1		3		4	1
51) Infections of Kidney 590											
52) Hyperplasia of Prostate 600											
53) Complications of Pregnancy, Childbirth, and the Puerperium 630-676	1	1						1			
54) Congenital Anomalies 740-759	10	10						2		4	
55) Certain Conditions Originating in the Perinatal Period 760-779	6	5	1			1				1	
56) Symptoms and Ill-Defined Conditions .. 780-799	23	23						5			
57) All Other Diseases ..... Residual	147	145	2	7		27		16		21	
58) Accidents E800-E949	96	96		4		9		11		12	
59) Motor Vehicle Accidents E810-E825	44	44		2		4		6		5	
60) Home Accidents ..... Home E850-E949	14	14		1		2		1		2	
61) All Other Accidents ..... E800-E807, E826-E849, Other E850-E949	38	38		1		3		4		5	
62) Suicide E950-E959	38	38		2		6		8		5	
63) Homicide and Legal Intervention E960-E978	11	10	1			1				5	
64) Other External Causes E980-E999	1	1						1			

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 3
BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1990

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	DISTRICT COUNTIES AND CITIES							
	Washington		Wythe		Bristol		Galax	
	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES OF DEATH	416	8	267	11	223	18	112	4
1) Shigellosis and Amebiasis 004,006								
2) Certain Other Intestinal Infections .. 007-009								
3) Tuberculosis, All Forms 010-018			1					
4) Whooping Cough 033								
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas 034-035								
6) Meningococcal Infection 036								
7) Septicemia 038								
8) Acute Poliomyelitis 045			2	1	2		1	
9) Measles 055								
10) Viral Hepatitis 070								
11) Syphilis 090-097								
12) Other Infectious & Parasitic Diseases ..... Residual of 001-139					3			
13) Malignant Neoplasms 140-208	85	1	54	3	54	3	27	2
14) Lip, Oral Cavity, and Pharynx 140-149	1				1			
15) Digestive Organs and Peritoneum 150-159	12		9	1	15	2	6	
16) Respiratory & Intrathoracic Organs . 160-165	35	1	14	1	12		6	2
17) Breast 174-175	10		8		3		2	
18) Genital Organs 179-187	8		5		8	1	4	
19) Urinary Organs 188-189	6		1		2			
20) Other & Unspecified Sites .. 170-173,190-199	7		8		6		7	
21) Leukemia 204-208	4		3					
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues 200-203	2		6	1	7		2	
23) Benign Neoplasms and Neoplasms of Unspecified Nature 210-239	3							
24) Diabetes Mellitus 250	8		4	1	3	3	2	
25) Nutritional Deficiencies 260-269				1				
26) Anemias 280-285	1				1			
27) Meningitis 320-322	1							
28) Major Cardiovascular Diseases 390-448	193	4	104	2	97	7	51	1
29) Diseases of Heart 390-398,402,404-429	152	3	79	1	75	4	36	
30) Rheumatic Fever and Rheumatic Heart Disease 390-398					1			
31) Hypertensive Heart Disease 402	6				3			
32) Hypertensive Heart & Renal Disease 404						1		
33) Ischemic Heart Disease 410-414	102	1	57	1	51	1	30	
34) Acute Myocardial Infarction 410	57	1	30		28		19	
35) Other Ischemic Heart Disease ... 411-414	45		27	1	23	1	11	
36) Other Diseases of Endocardium 424	1		1		3		1	
37) All Other Forms of Heart Disease 415-423,425-429	43	2	21		17	2	5	
38) Hypertension 401,403	4		1		1			
39) Cerebrovascular Diseases 430-438	29	1	19	1	18	2	9	
40) Atherosclerosis 440	1		3		1	1	6	
41) Other Diseases of Arteries, Arterioles, and Capillaries 441-448	7		2		2			1
42) Acute Bronchitis and Bronchiolitis .. 466	1							
43) Pneumonia and Influenza 480-487	29	1	21	2	14	1	4	
44) Chronic Obstructive Pulmonary Diseases 490-496	20		12	1	5		5	
45) Ulcer of Stomach and Duodenum 531-533	--				2		1	
46) Appendicitis 540-543			1					
47) Hernia & Intestinal Obstruction .. 550-553,560					1			
48) Chronic Liver Disease and Cirrhosis .. 571	3		7		1	1	1	
49) Cholelithiasis and Other Disorders of Gall Bladder 574-575							1	
50) Nephritis, Nephrotic Syndrome, and Nephrosis 580-589	4	1	6		2	1		
51) Infections of Kidney 590								
52) Hyperplasia of Prostate 600								
53) Complications of Pregnancy, Childbirth, and the Puerperium 630-676								
54) Congenital Anomalies 740-759	2		2					
55) Certain Conditions Originating in the Perinatal Period 760-779	1				2	1		
56) Symptoms and Ill-Defined Conditions .. 780-799	2		13		3			
57) All Other Diseases ..... Residual	28	1	12		19		15	1
58) Accidents E800-E949	24		21		12		3	
59) Motor Vehicle Accidents E810-E825	10		10		6		1	
60) Home Accidents ..... Home E850-E949	3		3		2			
61) All Other Accidents ..... E800-E807, E826-E849, Other E850-E949	11		8		4		2	
62) Suicide E950-E959	9		6		1		1	
63) Homicide and Legal Intervention E960-E978	2		1		1	1		
64) Other External Causes E980-E999								

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 4
BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1990

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION		PLANNING DISTRICT TOTAL			DISTRICT COUNTIES AND CITY			
					Floyd		Giles	
		Total	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES OF DEATH		1,194	1,126	68	113	7	194	5
1) Shigellosis and Amebiasis	004,006							
2) Certain Other Intestinal Infections	007-009							
3) Tuberculosis, All Forms	010-018							
4) Whooping Cough	033							
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas	034-035							
6) Meningococcal Infection	036							
7) Septicemia	038	12	12		2		1	
8) Acute Poliomyelitis	045							
9) Measles	055							
10) Viral Hepatitis	070	1	1					
11) Syphilis	090-097							
12) Other Infectious & Parasitic Diseases	Residual of 001-139	5	5		1		2	
13) Malignant Neoplasms	140-208	275	258	17	23		51	1
14) Lip, Oral Cavity, and Pharynx	140-149	4	3	1			1	
15) Digestive Organs and Peritoneum	150-159	63	57	6	7		12	1
16) Respiratory & Intrathoracic Organs	160-165	84	82	2	8		13	
17) Breast	174-175	24	24		2		3	
18) Genital Organs	179-187	26	25	1	1		6	
19) Urinary Organs	188-189	8	7	1			1	
20) Other & Unspecified Sites	170-173,190-199	36	32	4	3		9	
21) Leukemia	204-208	14	13	1	1		3	
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues	200-203	16	15	1	1		3	
23) Benign Neoplasms and Neoplasms of Unspecified Nature	210-239	3	3				2	
24) Diabetes Mellitus	250	22	20	2	2		4	
25) Nutritional Deficiencies	260-269	5	5				2	
26) Anemias	280-285	3	3		1			
27) Meningitis	320-322	2	2				1	
28) Major Cardiovascular Diseases	390-448	564	532	32	56	4	91	4
29) Diseases of Heart	390-398,402,404-429	461	432	29	48	3	75	4
30) Rheumatic Fever and Rheumatic Heart Disease	390-398	5	5				2	
31) Hypertensive Heart Disease	402	8	8					
32) Hypertensive Heart & Renal Disease	404	3	3		1			
33) Ischemic Heart Disease	410-414	288	272	16	33	2	51	3
34) Acute Myocardial Infarction	410	152	142	10	19		28	2
35) Other Ischemic Heart Disease	411-414	136	130	6	14	2	23	1
36) Other Diseases of Endocardium	424	10	10				1	
37) All Other Forms of Heart Disease	415-423,425-429	147	134	13	14	1	21	1
38) Hypertension	401,403	1	1					
39) Cerebrovascular Diseases	430-438	78	77	1	8		15	
40) Atherosclerosis	440	7	7					
41) Other Diseases of Arteries, Arterioles, and Capillaries	441-448	17	15	2		1	1	
42) Acute Bronchitis and Bronchiolitis	466							
43) Pneumonia and Influenza	480-487	41	37	4	3	1	5	
44) Chronic Obstructive Pulmonary Diseases	490-496	52	52		3		7	
45) Ulcer of Stomach and Duodenum	531-533	1	1					
46) Appendicitis	540-543	1	1					
47) Hernia & Intestinal Obstruction	550-553,560	3	3		2			
48) Chronic Liver Disease and Cirrhosis	571	8	7	1			2	
49) Cholelithiasis and Other Disorders of Gall Bladder	574-575	3	3		1			
50) Nephritis, Nephrotic Syndrome, and Nephrosis	580-589	6	6					
51) Infections of Kidney	590							
52) Hyperplasia of Prostate	600							
53) Complications of Pregnancy, Childbirth, and the Puerperium	630-676	2	2					
54) Congenital Anomalies	740-759	6	6					
55) Certain Conditions Originating in the Perinatal Period	760-779	6	4	2	1			
56) Symptoms and Ill-Defined Conditions	780-799	5	5				1	
57) All Other Diseases	Residual	93	88	5	12	1	12	
58) Accidents	E800-E949	52	49	3	4	1	10	
59) Motor Vehicle Accidents	E810-E825	24	24		1		5	
60) Home Accidents	Home E850-E949	10	9	1	2		1	
61) All Other Accidents	E800-E807, E826-E849, Other E850-E949	18	16	2	1	1	4	
62) Suicide	E950-E959	14	14		1		2	
63) Homicide and Legal Intervention	E960-E978	8	6	2	1		1	
64) Other External Causes	E980-E999	1	1					

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 4
BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1990

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	DISTRICT COUNTIES AND CITY					
	Montgomery		Pulaski		Radford	
	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES OF DEATH	420	31	314	17	85	8
1) Shigellosis and Amebiasis 004,006						
2) Certain Other Intestinal Infections .. 007-009						
3) Tuberculosis, All Forms 010-018						
4) Whooping Cough 033						
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas 034-035						
6) Meningococcal Infection 036						
7) Septicemia 038	5		4			
8) Acute Poliomyelitis 045						
9) Measles 055						
10) Viral Hepatitis 070	1					
11) Syphilis 090-097						
12) Other Infectious & Parasitic Diseases ..... Residual of 001-139	2					
13) Malignant Neoplasms 140-208	92	8	67	6	25	2
14) Lip, Oral Cavity, and Pharynx 140-149	1		1	1		
15) Digestive Organs and Peritoneum 150-159	22	3	14	1	2	1
16) Respiratory & Intrathoracic Organs . 160-165	28		30	1	3	1
17) Breast 174-175	11		4		4	
18) Genital Organs 179-187	9		5	1	4	
19) Urinary Organs 188-189	1	1	2		3	
20) Other & Unspecified Sites .. 170-173,190-199	10	2	4	2	6	
21) Leukemia 204-208	4	1	4		1	
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues 200-203	6	1	3		2	
23) Benign Neoplasms and Neoplasms of Unspecified Nature 210-239	1					
24) Diabetes Mellitus 250	7	1	6		1	1
25) Nutritional Deficiencies 260-269	2		1			
26) Anemias 280-285	1		1			
27) Meningitis 320-322	1					
28) Major Cardiovascular Diseases 390-448	201	15	138	5	46	4
29) Diseases of Heart 390-398,402,404-429	164	14	111	4	34	4
30) Rheumatic Fever and Rheumatic Heart Disease 390-398	2				1	
31) Hypertensive Heart Disease 402	6		2			
32) Hypertensive Heart & Renal Disease 404	2					
33) Ischemic Heart Disease 410-414	86	7	79	2	23	2
34) Acute Myocardial Infarction 410	47	5	36	1	12	2
35) Other Ischemic Heart Disease ... 411-414	39	2	43	1	11	
36) Other Diseases of Endocardium 424	4		4		1	
37) All Other Forms of Heart Disease 415-423,425-429	64	7	26	2	9	2
38) Hypertension 401,403	1					
39) Cerebrovascular Diseases 430-438	24	1	20		10	
40) Atherosclerosis 440	5		2			
41) Other Diseases of Arteries, Arterioles, and Capillaries 441-448	7		5	1	2	
42) Acute Bronchitis and Bronchiolitis ... 466						
43) Pneumonia and Influenza 480-487	16	2	12	1	1	
44) Chronic Obstructive Pulmonary Diseases 490-496	20		18		4	
45) Ulcer of Stomach and Duodenum 531-533	1					
46) Appendicitis 540-543					1	
47) Hernia & Intestinal Obstruction .. 550-553,560			1			
48) Chronic Liver Disease and Cirrhosis .. 571	4			1	1	
49) Cholelithiasis and Other Disorders of Gall Bladder 574-575	2					
50) Nephritis, Nephrotic Syndrome, and Nephrosis 580-589			6			
51) Infections of Kidney 590						
52) Hyperplasia of Prostate 600						
53) Complications of Pregnancy, Childbirth, and the Puerperium 630-676	2					
54) Congenital Anomalies 740-759	1		4		1	
55) Certain Conditions Originating in the Perinatal Period 760-779	3	1				1
56) Symptoms and Ill-Defined Conditions .. 780-799	3		1			
57) All Other Diseases ..... Residual	35	2	28	2	1	
58) Accidents E800-E949	15	2	18		2	
59) Motor Vehicle Accidents E810-E825	8		8		2	
60) Home Accidents ..... Home E850-E949	2	1	4			
61) All Other Accidents ..... E800-E807, E826-E849, Other E850-E949	5	1	6			
62) Suicide E950-E959	3		6		2	
63) Homicide and Legal Intervention E960-E978	1		3	2		
64) Other External Causes E980-E999	1					

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 5
BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1990

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	PLANNING DISTRICT TOTAL			DISTRICT COUNTIES AND CITIES							
				Alleghany		Botetourt		Craig		Roanoke	
	Total	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES OF DEATH	2,766	2,421	345	123	7	216	14	40		600	12
1) Shigellosis and Amebiasis 004,006											
2) Certain Other Intestinal Infections .. 007-009											
3) Tuberculosis, All Forms 010-018											
4) Whooping Cough 033											
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas 034-035											
6) Meningococcal Infection 036											
7) Septicemia 038	32	28	4	1		1				11	1
8) Acute Poliomyelitis 045											
9) Measles 055											
10) Viral Hepatitis 070	3	3				1					
11) Syphilis 090-097											
12) Other Infectious & Parasitic Diseases ..... Residual of 001-139	20	15	5			1				7	
13) Malignant Neoplasms 140-208	630	553	77	35		55	2	5		157	3
14) Lip, Oral Cavity, and Pharynx 140-149	14	11	3							6	
15) Digestive Organs and Peritoneum 150-159	140	118	22	9		14		1		28	
16) Respiratory & Intrathoracic Organs . 160-165	188	175	13	12		20	1	3		46	
17) Breast 174-175	43	37	6	1		3		1		16	
18) Genital Organs 179-187	72	63	9	5		5				21	2
19) Urinary Organs 188-189	24	23	1			1				7	
20) Other & Unspecified Sites .. 170-173,190-199	83	69	14	2		9	1			21	1
21) Leukemia 204-208	23	21	2	3		1				3	
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues 200-203	43	36	7	3		2				9	
23) Benign Neoplasms and Neoplasms of Unspecified Nature 210-239	9	7	2		1	1				1	
24) Diabetes Mellitus 250	47	40	7	2		5	2	1		5	
25) Nutritional Deficiencies 260-269	4	4		1							
26) Anemias 280-285	2	2									
27) Meningitis 320-322	1	1								1	
28) Major Cardiovascular Diseases 390-448	1,256	1,111	145	50	2	99	6	16		259	5
29) Diseases of Heart 390-398,402,404-429	965	852	113	37	2	82	5	13		185	4
30) Rheumatic Fever and Rheumatic Heart Disease 390-398	6	5	1	1		1				1	
31) Hypertensive Heart Disease 402	19	17	2			2				6	
32) Hypertensive Heart & Renal Disease 404	2	2									
33) Ischemic Heart Disease 410-414	611	537	74	31	2	53	3	5		112	3
34) Acute Myocardial Infarction 410	273	243	30	7		24	2	4		58	
35) Other Ischemic Heart Disease ... 411-414	338	294	44	24	2	29	1	1		54	3
36) Other Diseases of Endocardium 424	17	17		1		3				3	
37) All Other Forms of Heart Disease 415-423,425-429	310	274	36	4		23	2	8		63	1
38) Hypertension 401,403	11	8	3	1			1			1	
39) Cerebrovascular Diseases 430-438	214	189	25	11		12		3		56	1
40) Atherosclerosis 440	26	25	1			1				9	
41) Other Diseases of Arteries, Arterioles, and Capillaries 441-448	40	37	3	1		4				8	
42) Acute Bronchitis and Bronchiolitis ... 466	2	2									
43) Pneumonia and Influenza 480-487	99	92	7	4	1	6	1	5		25	
44) Chronic Obstructive Pulmonary Diseases 490-496	128	118	10	7		11		2		25	1
45) Ulcer of Stomach and Duodenum 531-533	3	3				1					
46) Appendicitis 540-543	1	1									
47) Hernia & Intestinal Obstruction .. 550-553,560	10	10				1				2	
48) Chronic Liver Disease and Cirrhosis .. 571	35	27	8	1		2		2		4	
49) Cholelithiasis and Other Disorders of Gall Bladder 574-575	1	1									
50) Nephritis, Nephrotic Syndrome, and Nephrosis 580-589	22	18	4							5	
51) Infections of Kidney 590											
52) Hyperplasia of Prostate 600											
53) Complications of Pregnancy, Childbirth, and the Puerperium 630-676											
54) Congenital Anomalies 740-759	11	7	4	1		1		1		1	1
55) Certain Conditions Originating in the Perinatal Period 760-779	20	12	8	1	1		1	1		7	
56) Symptoms and Ill-Defined Conditions .. 780-799	16	12	4	1						4	
57) All Other Diseases ..... Residual	253	218	35	14	2	16	1	5		57	1
58) Accidents E800-E949	102	94	8	3		13		1		20	
59) Motor Vehicle Accidents E810-E825	44	40	4	2		9				8	
60) Home Accidents ..... Home E850-E949	21	20	1					1		4	
61) All Other Accidents ..... E800-E807, E826-E849, Other E850-E949	37	34	3	1		4				8	
62) Suicide E950-E959	33	30	3			1	1	1		8	
63) Homicide and Legal Intervention E960-E978	25	11	14	2		1				1	
64) Other External Causes E980-E999	1	1									

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 5
BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1990

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	DISTRICT COUNTIES AND CITIES							
	Clifton Forge		Covington		Roanoke City		Salem	
	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES OF DEATH	81	12	87	12	1,013	262	261	26
1) Shigellosis and Amebiasis 004,006								
2) Certain Other Intestinal Infections .. 007-009								
3) Tuberculosis, All Forms 010-018								
4) Whooping Cough 033								
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas 034-035								
6) Meningococcal Infection 036								
7) Septicemia 038					11	2	4	1
8) Acute Poliomyelitis 045								
9) Measles 055								
10) Viral Hepatitis 070			1		1			
11) Syphilis 090-097								
12) Other Infectious & Parasitic Diseases ..... Residual of 001-139		1			4	4	3	
13) Malignant Neoplasms 140-208	14	4	20	3	215	56	52	9
14) Lip, Oral Cavity, and Pharynx 140-149		1			3	2	2	
15) Digestive Organs and Peritoneum 150-159	6	3	4	1	44	16	12	2
16) Respiratory & Intrathoracic Organs . 160-165	1		7	1	69	8	17	3
17) Breast 174-175	1				13	4	2	2
18) Genital Organs 179-187	1		3		22	7	6	
19) Urinary Organs 188-189	1		1		10	1	3	
20) Other & Unspecified Sites .. 170-173,190-199	2		3		29	12	3	
21) Leukemia 204-208	1			1	11	1	2	
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues 200-203	1		2		14	5	5	2
23) Benign Neoplasms and Neoplasms of Unspecified Nature 210-239					5	1		
24) Diabetes Mellitus 250	2	1	4		15	4	6	
25) Nutritional Deficiencies 260-269					3			
26) Anemias 280-285					1		1	
27) Meningitis 320-322								
28) Major Cardiovascular Diseases 390-448	42	4	40	7	475	109	130	12
29) Diseases of Heart 390-398,402,404-429	31	2	33	6	374	84	97	10
30) Rheumatic Fever and Rheumatic Heart Disease 390-398					2	1		
31) Hypertensive Heart Disease 402					6	2	3	
32) Hypertensive Heart & Renal Disease 404	1				1			
33) Ischemic Heart Disease 410-414	21	2	28	5	231	52	56	7
34) Acute Myocardial Infarction 410	5		11		103	24	31	4
35) Other Ischemic Heart Disease ... 411-414	16	2	17	5	128	28	25	3
36) Other Diseases of Endocardium 424	2				6		2	
37) All Other Forms of Heart Disease 415-423,425-429	7		5	1	128	29	36	3
38) Hypertension 401,403			1	1	4	1	1	
39) Cerebrovascular Diseases 430-438	9	2	6		70	21	22	1
40) Atherosclerosis 440	1				11	1	3	
41) Other Diseases of Arteries, Arterioles, and Capillaries 441-448	1				16	2	7	1
42) Acute Bronchitis and Bronchiolitis ... 466	1				1			
43) Pneumonia and Influenza 480-487	5		2		35	5	10	
44) Chronic Obstructive Pulmonary Diseases 490-496	4		7		48	8	14	1
45) Ulcer of Stomach and Duodenum 531-533			1		1			
46) Appendicitis 540-543							1	
47) Hernia & Intestinal Obstruction .. 550-553,560	1				3		3	
48) Chronic Liver Disease and Cirrhosis .. 571	1		2	1	15	6		1
49) Cholelithiasis and Other Disorders of Gall Bladder 574-575			1					
50) Nephritis, Nephrotic Syndrome, and Nephrosis 580-589	1				10	4	2	
51) Infections of Kidney 590								
52) Hyperplasia of Prostate 600								
53) Complications of Pregnancy, Childbirth, and the Puerperium 630-676								
54) Congenital Anomalies 740-759					3	2		1
55) Certain Conditions Originating in the Perinatal Period 760-779					3	6		
56) Symptoms and Ill-Defined Conditions .. 780-799	1				5	4	1	
57) All Other Diseases ..... Residual	7	2	5	1	89	27	25	1
58) Accidents E800-E949			2		49	8	6	
59) Motor Vehicle Accidents E810-E825			2		17	4	2	
60) Home Accidents ..... Home E850-E949					13	1	2	
61) All Other Accidents ..... E800-E807, E826-E849, Other E850-E949					19	3	2	
62) Suicide E950-E959	1		1		16	2	2	
63) Homicide and Legal Intervention E960-E978	1		1		4	14	1	
64) Other External Causes E980-E999					1			

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 6
BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1990

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	PLANNING DISTRICT TOTAL			DISTRICT COUNTIES AND CITIES							
				Augusta		Bath		Highland		Rockbridge	
	Total	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES OF DEATH	1,926	1,823	103	399	14	46	3	31		159	11
1) Shigellosis and Amebiasis 004,006											
2) Certain Other Intestinal Infections .. 007-009											
3) Tuberculosis, All Forms 010-018	1	1									
4) Whooping Cough 033											
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas 034-035											
6) Meningococcal Infection 036											
7) Septicemia 038	14	13	1	1				1			
8) Acute Poliomyelitis 045											
9) Measles 055											
10) Viral Hepatitis 070											
11) Syphilis 090-097											
12) Other Infectious & Parasitic Diseases ..... Residual of 001-139	14	11	3					1			
13) Malignant Neoplasms 140-208	444	419	25	93	2	13	2	10		37	3
14) Lip, Oral Cavity, and Pharynx 140-149	4	4		2							
15) Digestive Organs and Peritoneum 150-159	103	99	4	19		3		3		9	
16) Respiratory & Intrathoracic Organs . 160-165	128	119	9	25	1	2		2		10	1
17) Breast 174-175	37	36	1	6		1	1			4	
18) Genital Organs 179-187	51	47	4	15		2	1			2	
19) Urinary Organs 188-189	16	16		2		1		1		1	
20) Other & Unspecified Sites .. 170-173,190-199	60	55	5	13	1	2		2		6	1
21) Leukemia 204-208	18	18		2		1		2		2	
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues 200-203	27	25	2	9		1				3	1
23) Benign Neoplasms and Neoplasms of Unspecified Nature 210-239	6	6		1						1	
24) Diabetes Mellitus 250	21	19	2	4		1		1		2	
25) Nutritional Deficiencies 260-269											
26) Anemias 280-285	4	4						2			
27) Meningitis 320-322											
28) Major Cardiovascular Diseases 390-448	873	830	43	194	6	21	1	12		66	5
29) Diseases of Heart 390-398,402,404-429	646	616	30	156	4	11	1	11		49	4
30) Rheumatic Fever and Rheumatic Heart Disease 390-398	4	4								2	
31) Hypertensive Heart Disease 402	9	6	3			1		1			
32) Hypertensive Heart & Renal Disease 404	1	1									
33) Ischemic Heart Disease 410-414	430	416	14	114	1	8	1	7		26	3
34) Acute Myocardial Infarction 410	274	265	9	73		5		7		18	2
35) Other Ischemic Heart Disease ... 411-414	156	151	5	41	1	3	1			8	1
36) Other Diseases of Endocardium 424	15	15		5						1	
37) All Other Forms of Heart Disease 415-423,425-429	187	174	13	37	3	2		3		20	1
38) Hypertension 401,403	3	3								1	
39) Cerebrovascular Diseases 430-438	195	183	12	36	2	9		1		12	1
40) Atherosclerosis 440	10	10		1		1					
41) Other Diseases of Arteries, Arterioles, and Capillaries 441-448	19	18	1	1						4	
42) Acute Bronchitis and Bronchiolitis ... 466											
43) Pneumonia and Influenza 480-487	93	92	1	14		3				6	
44) Chronic Obstructive Pulmonary Diseases 490-496	69	65	4	20		3				7	1
45) Ulcer of Stomach and Duodenum 531-533	6	6		1						1	
46) Appendicitis 540-543	1	1									
47) Hernia & Intestinal Obstruction .. 550-553,560	7	6	1	1							
48) Chronic Liver Disease and Cirrhosis .. 571	15	15		4						3	
49) Cholelithiasis and Other Disorders of Gall Bladder 574-575	3	3								1	
50) Nephritis, Nephrotic Syndrome, and Nephrosis 580-589	23	20	3	3	1			2		3	
51) Infections of Kidney 590	2	2									
52) Hyperplasia of Prostate 600											
53) Complications of Pregnancy, Childbirth, and the Puerperium 630-676											
54) Congenital Anomalies 740-759	3	3									
55) Certain Conditions Originating in the Perinatal Period 760-779	5	4	1		1					1	
56) Symptoms and Ill-Defined Conditions .. 780-799	26	22	4	2	1					4	2
57) All Other Diseases ..... Residual	171	163	8	26	1	4		2		14	
58) Accidents E800-E949	80	75	5	29	2	1				9	
59) Motor Vehicle Accidents E810-E825	48	46	2	20	1					5	
60) Home Accidents ..... Home E850-E949	12	10	2	3		1				2	
61) All Other Accidents .... E800-E807, E826-E849, Other E850-E949	20	19	1	6	1					2	
62) Suicide E950-E959	33	32	1	4						3	
63) Homicide and Legal Intervention E960-E978	9	8	1	1						1	
64) Other External Causes E980-E999	3	3		1							

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 6
BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1990

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	DISTRICT COUNTIES AND CITIES											
	Rockingham		Buena Vista		Harrisonburg		Lexington		Staunton		Waynesboro	
	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES OF DEATH	425	9	68	1	220	10	57	10	224	32	194	13
1) Shigellosis and Amebiasis 004,006												
2) Certain Other Intestinal Infections .. 007-009												
3) Tuberculosis, All Forms 010-018	1											
4) Whooping Cough 033												
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas 034-035												
6) Meningococcal Infection 036												
7) Septicemia 038	6				1		1			1	3	
8) Acute Poliomyelitis 045												
9) Measles 055												
10) Viral Hepatitis 070												
11) Syphilis 090-097												
12) Other Infectious & Parasitic Diseases ..... Residual of 001-139	3		1		3				3	3		
13) Malignant Neoplasms 140-208	94	2	18	1	54	4	16	2	43	6	41	3
14) Lip, Oral Cavity, and Pharynx 140-149	1		1									
15) Digestive Organs and Peritoneum 150-159	23	1	5	1	13		6	1	9	1	9	
16) Respiratory & Intrathoracic Organs . 160-165	28		5		15	3	5	1	16	2	11	1
17) Breast 174-175	4		5		4		2		5		5	
18) Genital Organs 179-187	8				6		1		5	1	8	2
19) Urinary Organs 188-189	6				3				1		1	
20) Other & Unspecified Sites .. 170-173,190-199	13	1	1		8	1	1		5	1	4	
21) Leukemia 204-208	4		1		3				1		2	
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues 200-203	7				2		1		1	1	1	
23) Benign Neoplasms and Neoplasms of Unspecified Nature 210-239	2		1								1	
24) Diabetes Mellitus 250	5		2							1	4	1
25) Nutritional Deficiencies 260-269												
26) Anemias 280-285	2											
27) Meningitis 320-322												
28) Major Cardiovascular Diseases 390-448	198	4	25		100	2	25	2	102	16	87	7
29) Diseases of Heart 390-398,402,404-429	144	4	18		67	1	16	1	78	11	66	4
30) Rheumatic Fever and Rheumatic Heart Disease 390-398	1								1			
31) Hypertensive Heart Disease 402	2	3					2					
32) Hypertensive Heart & Renal Disease 404									1			
33) Ischemic Heart Disease 410-414	85		13		43		7		58	6	55	3
34) Acute Myocardial Infarction 410	58		13		28		3		26	4	34	3
35) Other Ischemic Heart Disease ... 411-414	27				15		4		32	2	21	
36) Other Diseases of Endocardium 424	4		2		2		1					
37) All Other Forms of Heart Disease 415-423,425-429	52	1	3		22	1	6	1	18	5	11	1
38) Hypertension 401,403	1								1			
39) Cerebrovascular Diseases 430-438	45		6		28	1	8	1	19	5	19	2
40) Atherosclerosis 440	3				2				3			
41) Other Diseases of Arteries, Arterioles, and Capillaries 441-448	5		1		3		1		1		2	1
42) Acute Bronchitis and Bronchiolitis ... 466												
43) Pneumonia and Influenza 480-487	26		3		15			1	12		13	
44) Chronic Obstructive Pulmonary Diseases 490-496	12		3		7	1	2	1	5	1	6	
45) Ulcer of Stomach and Duodenum 531-533					1		1		2			
46) Appendicitis 540-543			1									
47) Hernia & Intestinal Obstruction .. 550-553,560									3		2	1
48) Chronic Liver Disease and Cirrhosis .. 571	1		1		1				2		3	
49) Cholelithiasis and Other Disorders of Gall Bladder 574-575					1						1	
50) Nephritis, Nephrotic Syndrome, and Nephrosis 580-589	4				4	1	1	1	1		2	
51) Infections of Kidney 590			1				1					
52) Hyperplasia of Prostate 600												
53) Complications of Pregnancy, Childbirth, and the Puerperium 630-676												
54) Congenital Anomalies 740-759	1		1						1			
55) Certain Conditions Originating in the Perinatal Period 760-779	2								1			
56) Symptoms and Ill-Defined Conditions .. 780-799	5		2		7				1	1	1	
57) All Other Diseases ..... Residual	36	2	9		13		7	2	32	2	20	1
58) Accidents E800-E949	12				10	1		1	6	1	8	
59) Motor Vehicle Accidents E810-E825	7				5	1			5		4	
60) Home Accidents ..... Home E850-E949	2				2			1		1		
61) All Other Accidents ..... E800-E807, E826-E849, Other E850-E949	3				3				1		4	
62) Suicide E950-E959	12				2	1	1		8		2	
63) Homicide and Legal Intervention E960-E978	2	1			1		2		1			
64) Other External Causes E980-E999	1								1			

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 7
BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1990

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	PLANNING DISTRICT TOTAL			DISTRICT COUNTIES AND CITY					
				Clarke		Frederick		Page	
	Total	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES OF DEATH	1,487	1,424	63	96	5	287	6	207	10
1) Shigellosis and Amebiasis 004,006									
2) Certain Other Intestinal Infections .. 007-009	1	1							
3) Tuberculosis, All Forms 010-018									
4) Whooping Cough 033									
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas 034-035									
6) Meningococcal Infection 036									
7) Septicemia 038	15	14	1			5			
8) Acute Poliomyelitis 045									
9) Measles 055									
10) Viral Hepatitis 070									
11) Syphilis 090-097									
12) Other Infectious & Parasitic Diseases ..... Residual of 001-139	4	4						1	
13) Malignant Neoplasms 140-208	353	338	15	23		80	1	46	3
14) Lip, Oral Cavity, and Pharynx 140-149	9	8	1			1		2	1
15) Digestive Organs and Peritoneum 150-159	65	63	2	6		11		8	
16) Respiratory & Intrathoracic Organs . 160-165	94	91	3	10		25		9	
17) Breast 174-175	31	30	1	1		13		5	
18) Genital Organs 179-187	57	53	4	3		7		10	1
19) Urinary Organs 188-189	18	18				5		2	
20) Other & Unspecified Sites .. 170-173,190-199	44	41	3	1		8		4	1
21) Leukemia 204-208	10	10		1		1		2	
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues 200-203	25	24	1	1		9	1	4	
23) Benign Neoplasms and Neoplasms of Unspecified Nature 210-239	5	5		1		1		1	
24) Diabetes Mellitus 250	24	22	2	1		4		6	1
25) Nutritional Deficiencies 260-269	2	2				1		1	
26) Anemias 280-285	2	2						1	
27) Meningitis 320-322	1	1				1			
28) Major Cardiovascular Diseases 390-448	692	659	33	37	4	119	5	104	5
29) Diseases of Heart 390-398,402,404-429	551	525	26	31	4	95	3	91	2
30) Rheumatic Fever and Rheumatic Heart Disease 390-398	5	5		2		1		2	
31) Hypertensive Heart Disease 402	15	14	1	1	1	4			
32) Hypertensive Heart & Renal Disease 404	3	2	1	1		1			
33) Ischemic Heart Disease 410-414	317	305	12	12	3	62	2	56	
34) Acute Myocardial Infarction 410	145	142	3	4	2	16	1	37	
35) Other Ischemic Heart Disease ... 411-414	172	163	9	8	1	46	1	19	
36) Other Diseases of Endocardium 424	13	13		2		5		3	
37) All Other Forms of Heart Disease 415-423,425-429	198	186	12	13		22	1	30	2
38) Hypertension 401,403	3	3							
39) Cerebrovascular Diseases 430-438	109	102	7	4		19	2	10	3
40) Atherosclerosis 440	10	10		1				1	
41) Other Diseases of Arteries, Arterioles, and Capillaries 441-448	19	19		1		5		2	
42) Acute Bronchitis and Bronchiolitis ... 466									
43) Pneumonia and Influenza 480-487	66	66		2		11		8	
44) Chronic Obstructive Pulmonary Diseases 490-496	60	58	2	8		9		11	
45) Ulcer of Stomach and Duodenum 531-533	2	2				2			
46) Appendicitis 540-543									
47) Hernia & Intestinal Obstruction .. 550-553,560	1	1		1					
48) Chronic Liver Disease and Cirrhosis .. 571	8	7	1	1		1		1	
49) Cholelithiasis and Other Disorders of Gall Bladder 574-575	3	3		1					
50) Nephritis, Nephrotic Syndrome, and Nephrosis 580-589	10	10		1		3		1	
51) Infections of Kidney 590	2	2		1					
52) Hyperplasia of Prostate 600									
53) Complications of Pregnancy, Childbirth, and the Puerperium 630-676									
54) Congenital Anomalies 740-759	8	8		1		4			
55) Certain Conditions Originating in the Perinatal Period 760-779	6	4	2						
56) Symptoms and Ill-Defined Conditions .. 780-799	22	22		2		7		4	
57) All Other Diseases ..... Residual	103	98	5	11	1	11		13	1
58) Accidents E800-E949	63	63		3		21		7	
59) Motor Vehicle Accidents E810-E825	46	46		1		15		6	
60) Home Accidents ..... Home E850-E949	5	5				4			
61) All Other Accidents ..... E800-E807, E826-E849, Other E850-E949	12	12		2		2		1	
62) Suicide E950-E959	25	25		2		7		2	
63) Homicide and Legal Intervention E960-E978	8	6	2						
64) Other External Causes E980-E999	1	1							

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 7
BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1990

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	DISTRICT COUNTIES AND CITY					
	Shenandoah		Warren		Winchester	
	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES OF DEATH	345	2	242	23	247	17
1) Shigellosis and Amebiasis 004,006						
2) Certain Other Intestinal Infections .. 007-009			1			
3) Tuberculosis, All Forms 010-018						
4) Whooping Cough 033						
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas 034-035						
6) Meningococcal Infection 036						
7) Septicemia 038	4		1		4	1
8) Acute Poliomyelitis 045						
9) Measles 055						
10) Viral Hepatitis 070						
11) Syphilis 090-097						
12) Other Infectious & Parasitic Diseases ..... Residual of 001-139	1				2	
13) Malignant Neoplasms 140-208	82		54	5	53	6
14) Lip, Oral Cavity, and Pharynx 140-149	1		2		2	
15) Digestive Organs and Peritoneum 150-159	19		5	1	14	1
16) Respiratory & Intrathoracic Organs . 160-165	18		17	1	12	2
17) Breast 174-175	6		2		3	1
18) Genital Organs 179-187	16		10	2	7	1
19) Urinary Organs 188-189	4		4		3	
20) Other & Unspecified Sites .. 170-173,190-199	10		10	1	8	1
21) Leukemia 204-208	4		1		1	
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues 200-203	4		3		3	
23) Benign Neoplasms and Neoplasms of Unspecified Nature 210-239	1		1			
24) Diabetes Mellitus 250	5			1	6	
25) Nutritional Deficiencies 260-269						
26) Anemias 280-285					1	
27) Meningitis 320-322						
28) Major Cardiovascular Diseases 390-448	163	1	119	12	117	6
29) Diseases of Heart 390-398,402,404-429	119		94	11	95	6
30) Rheumatic Fever and Rheumatic Heart Disease 390-398						
31) Hypertensive Heart Disease 402	1		3		5	
32) Hypertensive Heart & Renal Disease 404				1		
33) Ischemic Heart Disease 410-414	64		57	5	54	2
34) Acute Myocardial Infarction 410	39		20		26	
35) Other Ischemic Heart Disease ... 411-414	25		37	5	28	2
36) Other Diseases of Endocardium 424	1		1		1	
37) All Other Forms of Heart Disease 415-423,425-429	53		33	5	35	4
38) Hypertension 401,403			1		2	
39) Cerebrovascular Diseases 430-438	32	1	18	1	19	
40) Atherosclerosis 440	4		4			
41) Other Diseases of Arteries, Arterioles, and Capillaries 441-448	8		2		1	
42) Acute Bronchitis and Bronchiolitis ... 466						
43) Pneumonia and Influenza 480-487	10		17		18	
44) Chronic Obstructive Pulmonary Diseases 490-496	12		6	1	12	1
45) Ulcer of Stomach and Duodenum 531-533						
46) Appendicitis 540-543						
47) Hernia & Intestinal Obstruction .. 550-553,560						
48) Chronic Liver Disease and Cirrhosis .. 571	1		2		1	1
49) Cholelithiasis and Other Disorders of Gall Bladder 574-575	1		1			
50) Nephritis, Nephrotic Syndrome, and Nephrosis 580-589	2				3	
51) Infections of Kidney 590	1					
52) Hyperplasia of Prostate 600						
53) Complications of Pregnancy, Childbirth, and the Puerperium 630-676						
54) Congenital Anomalies 740-759	3					
55) Certain Conditions Originating in the Perinatal Period 760-779	1	1	2		1	1
56) Symptoms and Ill-Defined Conditions .. 780-799	5		1		3	
57) All Other Diseases ..... Residual	28		17	3	18	
58) Accidents E800-E949	17		12		3	
59) Motor Vehicle Accidents E810-E825	13		9		2	
60) Home Accidents ..... Home E850-E949	1					
61) All Other Accidents ..... E800-E807, E826-E849, Other E850-E949	3		3		1	
62) Suicide E950-E959	7		3		4	
63) Homicide and Legal Intervention E960-E978	1		4	1	1	1
64) Other External Causes E980-E999			1			

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 8
BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1990

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	PLANNING DISTRICT TOTAL			DISTRICT COUNTIES AND CITIES							
				Arlington		Fairfax		Loudoun		Prince William	
	Total	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES OF DEATH	6,521	5,718	803	989	137	2,828	266	354	55	596	107
1) Shigellosis and Amebiasis 004,006											
2) Certain Other Intestinal Infections .. 007-009											
3) Tuberculosis, All Forms 010-018	2	2		1		1					
4) Whooping Cough 033											
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas 034-035											
6) Meningococcal Infection 036											
7) Septicemia 038	91	76	15	15	6	36	2	4	1	5	
8) Acute Poliomyelitis 045											
9) Measles 055											
10) Viral Hepatitis 070	1	1				1					
11) Syphilis 090-097											
12) Other Infectious & Parasitic Diseases ..... Residual of 001-139	139	112	27	36	6	42	7	2	1	10	2
13) Malignant Neoplasms 140-208	1,809	1,609	200	253	36	834	69	97	14	157	20
14) Lip, Oral Cavity, and Pharynx 140-149	26	22	4	4		12	1	2		1	1
15) Digestive Organs and Peritoneum 150-159	421	354	67	45	19	192	23	19	3	32	7
16) Respiratory & Intrathoracic Organs . 160-165	464	424	40	70	6	212	14	30	2	45	4
17) Breast 174-175	218	199	19	28	3	110	8	10		18	1
18) Genital Organs 179-187	191	170	21	20	4	98	3	9	4	10	4
19) Urinary Organs 188-189	74	66	8	14		28	3	5	2	8	
20) Other & Unspecified Sites .. 170-173,190-199	236	210	26	46	2	92	12	12	3	28	2
21) Leukemia 204-208	61	56	5	9		32	1	1		6	1
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues 200-203	118	108	10	17	2	58	4	9		9	
23) Benign Neoplasms and Neoplasms of Unspecified Nature 210-239	32	25	7	2		18	3	1		1	3
24) Diabetes Mellitus 250	101	82	19	7	3	41	7	8	3	7	4
25) Nutritional Deficiencies 260-269	10	9	1	3		3				1	1
26) Anemias 280-285	[illegible]	6	3	2		1	2	1			1
27) Meningitis 320-322	[illegible]	5	2			4	1			1	1
28) Major Cardiovascular Diseases 390-448	2,440	2,169	271	395	43	1,059	92	125	20	215	33
29) Diseases of Heart 390-398,402,404-429	1,873	1,675	198	294	34	809	64	103	14	168	21
30) Rheumatic Fever and Rheumatic Heart Disease 390-398	9	7	2	1		2	1	1	1	1	
31) Hypertensive Heart Disease 402	43	36	7	8	1	18	2	1			1
32) Hypertensive Heart & Renal Disease 404	2	2									
33) Ischemic Heart Disease 410-414	1,046	946	100	183	20	454	27	68	7	100	14
34) Acute Myocardial Infarction 410	388	350	38	54	4	167	10	26	4	40	6
35) Other Ischemic Heart Disease ... 411-414	658	596	62	129	16	287	17	42	3	60	8
36) Other Diseases of Endocardium 424	42	35	7	9	2	19	2	1		3	
37) All Other Forms of Heart Disease 415-423,425-429	731	649	82	93	11	316	32	32	6	64	6
38) Hypertension 401,403	31	22	9	2	2	14	3		1	5	
39) Cerebrovascular Diseases 430-438	417	364	53	73	5	176	21	16	3	34	9
40) Atherosclerosis 440	53	45	8	12	2	25	2	2	2	3	2
41) Other Diseases of Arteries, Arterioles, and Capillaries 441-448	66	63	3	14		35	2	4		5	1
42) Acute Bronchitis and Bronchiolitis ... 466	3	3		2							
43) Pneumonia and Influenza 480-487	216	198	18	33	3	98	5	15	3	15	3
44) Chronic Obstructive Pulmonary Diseases 490-496	210	201	9	33		99	2	11		26	3
45) Ulcer of Stomach and Duodenum 531-533	19	19		3		9		1		3	
46) Appendicitis 540-543											
47) Hernia & Intestinal Obstruction .. 550-553,560	9	8	1			3	1	2		1	
48) Chronic Liver Disease and Cirrhosis .. 571	90	70	20	12	3	38	9	2	1	6	
49) Cholelithiasis and Other Disorders of Gall Bladder 574-575	6	6		2		4					
50) Nephritis, Nephrotic Syndrome, and Nephrosis 580-589	68	60	8	14	1	27	3	5		8	1
51) Infections of Kidney 590	1	1									
52) Hyperplasia of Prostate 600											
53) Complications of Pregnancy, Childbirth, and the Puerperium 630-676											
54) Congenital Anomalies 740-759	54	40	14	4	3	24	3	3	3	5	2
55) Certain Conditions Originating in the Perinatal Period 760-779	78	49	29	5	2	30	13	2		6	7
56) Symptoms and Ill-Defined Conditions .. 780-799	72	58	14	12	1	30	5	5	1	5	3
57) All Other Diseases ..... Residual	550	498	52	88	18	243	10	38	6	50	2
58) Accidents E800-E949	298	253	45	43	4	113	17	19	1	45	14
59) Motor Vehicle Accidents E810-E825	144	119	25	12	2	57	10	14		29	11
60) Home Accidents ..... Home E850-E949	53	49	4	13		25	1	1	1	6	1
61) All Other Accidents ..... E800-E807, E826-E849, Other E850-E949	101	85	16	18	2	31	6	4		10	2
62) Suicide E950-E959	123	109	14	12	2	50	6	12	1	22	1
63) Homicide and Legal Intervention E960-E978	71	40	31	10	6	17	8	1		5	5
64) Other External Causes E980-E999	12	9	3	2		3	1			2	1

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 8
BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1990

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION		DISTRICT COUNTIES AND CITIES									
		Alexandria		Fairfax City		Falls Church		Manassas		Manassas Park	
		White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES OF DEATH		613	213	140	7	59	3	121	14	18	1
1) Shigellosis and Amebiasis	004,006										
2) Certain Other Intestinal Infections	007-009										
3) Tuberculosis, All Forms	010-018										
4) Whooping Cough	033										
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas	034-035										
6) Meningococcal Infection	036										
7) Septicemia	038	11	6	1		1		3			
8) Acute Poliomyelitis	045										
9) Measles	055										
10) Viral Hepatitis	070										
11) Syphilis	090-097										
12) Other Infectious & Parasitic Diseases Residual of	001-139	21	10		1	1					
13) Malignant Neoplasms	140-208	170	54	45	2	18	1	30	3	5	1
14) Lip, Oral Cavity, and Pharynx	140-149	3	1						1		
15) Digestive Organs and Peritoneum	150-159	37	13	13		5		9	2	2	
16) Respiratory & Intrathoracic Organs	160-165	39	11	13	2	6		7		2	1
17) Breast	174-175	20	7	6		1		6			
18) Genital Organs	179-187	23	5	7		1	1	1		1	
19) Urinary Organs	188-189	6	3	1		1		3			
20) Other & Unspecified Sites	170-173,190-199	24	7	3		3		2			
21) Leukemia	204-208	6	3					2			
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues	200-203	12	4	2		1					
23) Benign Neoplasms and Neoplasms of Unspecified Nature	210-239	1		1				1	1		
24) Diabetes Mellitus	250	13	1	1		2	1	3			
25) Nutritional Deficiencies	260-269	2									
26) Anemias	280-285	1		1							
27) Meningitis	320-322										
28) Major Cardiovascular Diseases	390-448	239	79	56	2	27		46	2	7	
29) Diseases of Heart	390-398,402,404-429	187	61	45	2	25		38	2	6	
30) Rheumatic Fever and Rheumatic Heart Disease	390-398	2									
31) Hypertensive Heart Disease	402	6	3	1		1		1			
32) Hypertensive Heart & Renal Disease	404	1		1							
33) Ischemic Heart Disease	410-414	89	28	21	2	12		16	2	3	
34) Acute Myocardial Infarction	410	42	12	7	1	4		8	1	2	
35) Other Ischemic Heart Disease	411-414	47	16	14	1	8		8	1	1	
36) Other Diseases of Endocardium	424	1	3			1		1			
37) All Other Forms of Heart Disease	415-423,425-429	88	27	22		11		20		3	
38) Hypertension	401,403		3	1							
39) Cerebrovascular Diseases	430-438	47	15	8		2		7		1	
40) Atherosclerosis	440	1		1				1			
41) Other Diseases of Arteries, Arterioles, and Capillaries	441-448	4		1							
42) Acute Bronchitis and Bronchiolitis	466							1			
43) Pneumonia and Influenza	480-487	28	4	3				5		1	
44) Chronic Obstructive Pulmonary Diseases	490-496	21	4	5		1		5			
45) Ulcer of Stomach and Duodenum	531-533	2		1							
46) Appendicitis	540-543										
47) Hernia & Intestinal Obstruction	550-553,560	2									
48) Chronic Liver Disease and Cirrhosis	571	8	6			2		2	1		
49) Cholelithiasis and Other Disorders of Gall Bladder	574-575										
50) Nephritis, Nephrotic Syndrome, and Nephrosis	580-589	4	1	1	2	1					
51) Infections of Kidney	590	1									
52) Hyperplasia of Prostate	600										
53) Complications of Pregnancy, Childbirth, and the Puerperium	630-676										
54) Congenital Anomalies	740-759	1	3	2				1			
55) Certain Conditions Originating in the Perinatal Period	760-779	5	5					1	2		
56) Symptoms and Ill-Defined Conditions	780-799	3	4			1		2			
57) All Other Diseases	Residual	50	16	12		5		11		1	
58) Accidents	E800-E949	18	7	7				6	2	2	
59) Motor Vehicle Accidents	E810-E825	5	1					1	1	1	
60) Home Accidents	Home E850-E949	1	1	2				1			
61) All Other Accidents	E800-E807, E826-E849, Other E850-E949	12	5	5				4	1	1	
62) Suicide	E950-E959	8	4	2				2		1	
63) Homicide and Legal Intervention	E960-E978	3	8	2			1	1	3	1	
64) Other External Causes	E980-E999	1	1					1			

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 9 BY CAUSE OF DEATH AND BY RACE VIRGINIA, 1990

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	PLANNING DISTRICT TOTAL			DISTRICT COUNTIES			
				Culpeper		Fauquier	
	Total	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES OF DEATH	1,020	863	157	227	46	292	65
1) Shigellosis and Amebiasis 004,006							
2) Certain Other Intestinal Infections .. 007-009							
3) Tuberculosis, All Forms 010-018							
4) Whooping Cough 033							
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas 034-035							
6) Meningococcal Infection 036							
7) Septicemia 038	12	10	2	1	1	2	1
8) Acute Poliomyelitis 045							
9) Measles 055							
10) Viral Hepatitis 070							
11) Syphilis 090-097							
12) Other Infectious & Parasitic Diseases ..... Residual of 001-139	10	9	1	4		4	1
13) Malignant Neoplasms 140-208	263	217	46	59	16	69	22
14) Lip, Oral Cavity, and Pharynx 140-149	4	4		1		3	
15) Digestive Organs and Peritoneum 150-159	53	48	5	13	2	13	2
16) Respiratory & Intrathoracic Organs . 160-165	79	57	22	17	6	17	12
17) Breast 174-175	20	17	3	5	2	7	
18) Genital Organs 179-187	32	27	5	8	4	6	
19) Urinary Organs 188-189	10	9	1	2		5	1
20) Other & Unspecified Sites .. 170-173,190-199	38	30	8	6	1	10	6
21) Leukemia 204-208	9	8	1	2	1	2	
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues 200-203	18	17	1	5		6	1
23) Benign Neoplasms and Neoplasms of Unspecified Nature 210-239	4	4		2		1	
24) Diabetes Mellitus 250	14	11	3	3	1	4	2
25) Nutritional Deficiencies 260-269	5	4	1	3		1	1
26) Anemias 280-285	1	1				1	
27) Meningitis 320-322	1		1		1		
28) Major Cardiovascular Diseases 390-448	405	350	55	88	15	123	20
29) Diseases of Heart 390-398,402,404-429	296	256	40	62	11	86	14
30) Rheumatic Fever and Rheumatic Heart Disease 390-398	3	2	1	1			1
31) Hypertensive Heart Disease 402	5	5				1	
32) Hypertensive Heart & Renal Disease 404	1		1				
33) Ischemic Heart Disease 410-414	154	135	19	29	4	54	8
34) Acute Myocardial Infarction 410	75	67	8	11		23	2
35) Other Ischemic Heart Disease ... 411-414	79	68	11	18	4	31	6
36) Other Diseases of Endocardium 424	8	8		4		1	
37) All Other Forms of Heart Disease 415-423,425-429	125	106	19	28	7	30	5
38) Hypertension 401,403	4	2	2			2	1
39) Cerebrovascular Diseases 430-438	89	76	13	23	4	31	5
40) Atherosclerosis 440	7	7		1		2	
41) Other Diseases of Arteries, Arterioles, and Capillaries 441-448	9	9		2		2	
42) Acute Bronchitis and Bronchiolitis ... 466							
43) Pneumonia and Influenza 480-487	27	21	6	1	2	9	3
44) Chronic Obstructive Pulmonary Diseases 490-496	50	46	4	14	1	12	2
45) Ulcer of Stomach and Duodenum 531-533	1	1				1	
46) Appendicitis 540-543							
47) Hernia & Intestinal Obstruction .. 550-553,560	4	3	1	2	1		
48) Chronic Liver Disease and Cirrhosis .. 571	11	10	1	4		3	
49) Cholelithiasis and Other Disorders of Gall Bladder 574-575	2	2		1			
50) Nephritis, Nephrotic Syndrome, and Nephrosis 580-589	12	11	1	3	1	5	
51) Infections of Kidney 590							
52) Hyperplasia of Prostate 600							
53) Complications of Pregnancy, Childbirth, and the Puerperium 630-676							
54) Congenital Anomalies 740-759	6	4	2	2		1	2
55) Certain Conditions Originating in the Perinatal Period 760-779	4	3	1			3	1
56) Symptoms and Ill-Defined Conditions .. 780-799	8	6	2	2		1	1
57) All Other Diseases ..... Residual	101	86	15	26	2	26	5
58) Accidents E800-E949	55	46	9	10	4	18	1
59) Motor Vehicle Accidents E810-E825	25	21	4	4	2	7	
60) Home Accidents ..... Home E850-E949	8	5	3		1	3	
61) All Other Accidents ..... E800-E807, E826-E849, Other E850-E949	22	20	2	6	1	8	1
62) Suicide E950-E959	18	16	2	2		8	1
63) Homicide and Legal Intervention E960-E978	4	1	3		1		1
64) Other External Causes E980-E999	2	1	1				1

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 9 BY CAUSE OF DEATH AND BY RACE VIRGINIA, 1990

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION		DISTRICT COUNTIES					
		Madison		Orange		Rappahannock	
		White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES OF DEATH		102	11	186	28	56	7
1) Shigellosis and Amebiasis	004,006						
2) Certain Other Intestinal Infections	007-009						
3) Tuberculosis, All Forms	010-018						
4) Whooping Cough	033						
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas	034-035						
6) Meningococcal Infection	036						
7) Septicemia	038	1		4		2	
8) Acute Poliomyelitis	045						
9) Measles	055						
10) Viral Hepatitis	070						
11) Syphilis	090-097						
12) Other Infectious & Parasitic Diseases	Residual of 001-139			1			
13) Malignant Neoplasms	140-208	20	3	55	4	14	1
14) Lip, Oral Cavity, and Pharynx	140-149						
15) Digestive Organs and Peritoneum	150-159	4		10	1	8	
16) Respiratory & Intrathoracic Organs	160-165	4	1	15	2	4	1
17) Breast	174-175			5	1		
18) Genital Organs	179-187	2	1	10		1	
19) Urinary Organs	188-189			2			
20) Other & Unspecified Sites	170-173,190-199	6	1	7		1	
21) Leukemia	204-208	1		3			
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues	200-203	3		3			
23) Benign Neoplasms and Neoplasms of Unspecified Nature	210-239			1			
24) Diabetes Mellitus	250	1		2		1	
25) Nutritional Deficiencies	260-269						
26) Anemias	280-285						
27) Meningitis	320-322						
28) Major Cardiovascular Diseases	390-448	41	5	73	11	25	4
29) Diseases of Heart	390-398,402,404-429	31	4	60	8	17	3
30) Rheumatic Fever and Rheumatic Heart Disease	390-398			1			
31) Hypertensive Heart Disease	402	1		3			
32) Hypertensive Heart & Renal Disease	404				1		
33) Ischemic Heart Disease	410-414	10	4	30	3	12	
34) Acute Myocardial Infarction	410	8	4	21	2	4	
35) Other Ischemic Heart Disease	411-414	2		9	1	8	
36) Other Diseases of Endocardium	424	1		2			
37) All Other Forms of Heart Disease	415-423,425-429	19		24	4	5	3
38) Hypertension	401,403				1		
39) Cerebrovascular Diseases	430-438	7	1	11	2	4	1
40) Atherosclerosis	440	1				3	
41) Other Diseases of Arteries, Arterioles, and Capillaries	441-448	2		2		1	
42) Acute Bronchitis and Bronchiolitis	466						
43) Pneumonia and Influenza	480-487	6	1	4		1	
44) Chronic Obstructive Pulmonary Diseases	490-496	4		11	1	5	
45) Ulcer of Stomach and Duodenum	531-533						
46) Appendicitis	540-543						
47) Hernia & Intestinal Obstruction	550-553,560			1			
48) Chronic Liver Disease and Cirrhosis	571	1		2	1		
49) Cholelithiasis and Other Disorders of Gall Bladder	574-575			1			
50) Nephritis, Nephrotic Syndrome, and Nephrosis	580-589	1		2			
51) Infections of Kidney	590						
52) Hyperplasia of Prostate	600						
53) Complications of Pregnancy, Childbirth, and the Puerperium	630-676						
54) Congenital Anomalies	740-759			1			
55) Certain Conditions Originating in the Perinatal Period	760-779						
56) Symptoms and Ill-Defined Conditions	780-799			2	1	1	
57) All Other Diseases	Residual	16	1	13	6	5	1
58) Accidents	E800-E949	7	1	10	3	1	
59) Motor Vehicle Accidents	E810-E825	4		6	2		
60) Home Accidents	Home E850-E949	1	1	1	1		
61) All Other Accidents	E800-E807, E826-E849, Other E850-E949	2		3		1	
62) Suicide	E950-E959	3		2		1	1
63) Homicide and Legal Intervention	E960-E978			1	1		
64) Other External Causes	E980-E999	1					

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 10
BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1990

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	PLANNING DISTRICT TOTAL			DISTRICT COUNTIES AND CITY					
				Albemarle		Fluvanna		Greene	
	Total	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES OF DEATH	1,296	1,024	272	320	64	76	26	64	5
1) Shigellosis and Amebiasis 004,006									
2) Certain Other Intestinal Infections .. 007-009									
3) Tuberculosis, All Forms 010-018	1	1							
4) Whooping Cough 033									
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas 034-035									
6) Meningococcal Infection 036									
7) Septicemia 038	16	13	3	4			1	1	
8) Acute Poliomyelitis 045									
9) Measles 055									
10) Viral Hepatitis 070									
11) Syphilis 090-097									
12) Other Infectious & Parasitic Diseases ..... Residual of 001-139	20	11	9	6		1			
13) Malignant Neoplasms 140-208	318	251	67	79	16	21	6	19	1
14) Lip, Oral Cavity, and Pharynx 140-149	7	4	3		1	1			
15) Digestive Organs and Peritoneum 150-159	60	48	12	16	2	2	1	4	
16) Respiratory & Intrathoracic Organs . 160-165	97	79	18	24	7	11	1	6	1
17) Breast 174-175	33	26	7	5		3			
18) Genital Organs 179-187	43	32	11	8	2	3	2	2	
19) Urinary Organs 188-189	15	13	2	4				3	
20) Other & Unspecified Sites .. 170-173,190-199	34	24	10	10	3		2	2	
21) Leukemia 204-208	13	11	2	6					
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues 200-203	16	14	2	6	1	1		2	
23) Benign Neoplasms and Neoplasms of Unspecified Nature 210-239	3	3							
24) Diabetes Mellitus 250	15	13	2	2		3		1	
25) Nutritional Deficiencies 260-269	4	2	2	1					1
26) Anemias 280-285	2	2						1	
27) Meningitis 320-322	1	1							
28) Major Cardiovascular Diseases 390-448	505	404	101	109	25	28	11	16	1
29) Diseases of Heart 390-398,402,404-429	358	296	62	81	15	18	9	14	1
30) Rheumatic Fever and Rheumatic Heart Disease 390-398	1	1							
31) Hypertensive Heart Disease 402	3		3						
32) Hypertensive Heart & Renal Disease 404									
33) Ischemic Heart Disease 410-414	228	199	29	50	7	12	6	11	
34) Acute Myocardial Infarction 410	128	108	20	31	4	6	5	4	
35) Other Ischemic Heart Disease ... 411-414	100	91	9	19	3	6	1	7	
36) Other Diseases of Endocardium 424	4	2	2	1	1				
37) All Other Forms of Heart Disease 415-423,425-429	122	94	28	30	7	6	3	3	1
38) Hypertension 401,403	4	3	1						
39) Cerebrovascular Diseases 430-438	108	81	27	20	7	7	2	1	
40) Atherosclerosis 440	21	14	7	6	2	3			
41) Other Diseases of Arteries, Arterioles, and Capillaries 441-448	14	10	4	2	1			1	
42) Acute Bronchitis and Bronchiolitis ... 466									
43) Pneumonia and Influenza 480-487	55	46	9	11	2	2	1	4	
44) Chronic Obstructive Pulmonary Diseases 490-496	49	44	5	12	2	4		3	
45) Ulcer of Stomach and Duodenum 531-533	1	1		1					
46) Appendicitis 540-543									
47) Hernia & Intestinal Obstruction .. 550-553,560	5	4	1	2		1			
48) Chronic Liver Disease and Cirrhosis .. 571	13	8	5	3	1			1	1
49) Cholelithiasis and Other Disorders of Gall Bladder 574-575									
50) Nephritis, Nephrotic Syndrome, and Nephrosis 580-589	16	9	7	5	2		2		
51) Infections of Kidney 590	1	1		1					
52) Hyperplasia of Prostate 600									
53) Complications of Pregnancy, Childbirth, and the Puerperium 630-676									
54) Congenital Anomalies 740-759	6	5	1	3		1	1		
55) Certain Conditions Originating in the Perinatal Period 760-779	7	5	2	1	1				
56) Symptoms and Ill-Defined Conditions .. 780-799	18	10	8	2	2	2		1	
57) All Other Diseases ..... Residual	135	106	29	49	8	6	2	6	
58) Accidents E800-E949	75	55	20	18	5	7	2	9	1
59) Motor Vehicle Accidents E810-E825	44	31	13	10	4	5	1	7	1
60) Home Accidents ..... Home E850-E949	12	11	1	3		1		2	
61) All Other Accidents ..... E800-E807, E826-E849, Other E850-E949	19	13	6	5	1	1	1		
62) Suicide E950-E959	19	18	1	10				1	
63) Homicide and Legal Intervention E960-E978	11	11		1				1	
64) Other External Causes E980-E999									

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 10
BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1990

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	DISTRICT COUNTIES AND CITY					
	Louisa		Nelson		Charlottesville	
	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES OF DEATH	153	56	105	31	306	90
1) Shigellosis and Amebiasis 004,006						
2) Certain Other Intestinal Infections .. 007-009						
3) Tuberculosis, All Forms 010-018					1	
4) Whooping Cough 033						
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas 034-035						
6) Meningococcal Infection 036						
7) Septicemia 038	3	1	2		3	1
8) Acute Poliomyelitis 045						
9) Measles 055						
10) Viral Hepatitis 070						
11) Syphilis 090-097						
12) Other Infectious & Parasitic Diseases ..... Residual of 001-139		3			4	6
13) Malignant Neoplasms 140-208	36	11	28	6	68	17
14) Lip, Oral Cavity, and Pharynx 140-149	1			1	2	1
15) Digestive Organs and Peritoneum 150-159	3	2	8		15	7
16) Respiratory & Intrathoracic Organs . 160-165	18	5	6	2	14	2
17) Breast 174-175	5	2	2	1	11	4
18) Genital Organs 179-187	3	1	7	1	9	5
19) Urinary Organs 188-189	1		1		4	2
20) Other & Unspecified Sites .. 170-173,190-199	1		3	1	8	4
21) Leukemia 204-208	2		1		2	2
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues 200-203	2	1			3	
23) Benign Neoplasms and Neoplasms of Unspecified Nature 210-239	1		1		1	
24) Diabetes Mellitus 250	2	1	2		3	1
25) Nutritional Deficiencies 260-269		1			1	
26) Anemias 280-285	1					
27) Meningitis 320-322	1					
28) Major Cardiovascular Diseases 390-448	64	21	44	10	143	33
29) Diseases of Heart 390-398,402,404-429	53	11	29	6	101	20
30) Rheumatic Fever and Rheumatic Heart Disease 390-398			1			
31) Hypertensive Heart Disease 402		2				1
32) Hypertensive Heart & Renal Disease 404						
33) Ischemic Heart Disease 410-414	35	4	21	4	70	8
34) Acute Myocardial Infarction 410	20	4	13	4	34	3
35) Other Ischemic Heart Disease ... 411-414	15		8		36	5
36) Other Diseases of Endocardium 424		1	1			
37) All Other Forms of Heart Disease 415-423,425-429	18	4	6	2	31	11
38) Hypertension 401,403		1	1		2	
39) Cerebrovascular Diseases 430-438	10	8	12	1	31	9
40) Atherosclerosis 440				2	5	3
41) Other Diseases of Arteries, Arterioles, and Capillaries 441-448	1	1	2	1	4	1
42) Acute Bronchitis and Bronchiolitis ... 466						
43) Pneumonia and Influenza 480-487	9	1	8	3	12	2
44) Chronic Obstructive Pulmonary Diseases 490-496	6	1	3	2	16	
45) Ulcer of Stomach and Duodenum 531-533						
46) Appendicitis 540-543						
47) Hernia & Intestinal Obstruction .. 550-553,560					1	1
48) Chronic Liver Disease and Cirrhosis .. 571		2	3		1	1
49) Cholelithiasis and Other Disorders of Gall Bladder 574-575						
50) Nephritis, Nephrotic Syndrome, and Nephrosis 580-589			1	1	3	2
51) Infections of Kidney 590						
52) Hyperplasia of Prostate 600						
53) Complications of Pregnancy, Childbirth, and the Puerperium 630-676						
54) Congenital Anomalies 740-759	1					
55) Certain Conditions Originating in the Perinatal Period 760-779	4					1
56) Symptoms and Ill-Defined Conditions .. 780-799	2	2		1	3	3
57) All Other Diseases ..... Residual	13	8	3	3	29	8
58) Accidents E800-E949	5	4	6	5	10	3
59) Motor Vehicle Accidents E810-E825	4	1	2	4	3	2
60) Home Accidents ..... Home E850-E949		1	1		4	
61) All Other Accidents ..... E800-E807, E826-E849, Other E850-E949	1	2	3	1	3	1
62) Suicide E950-E959	3		2		2	1
63) Homicide and Legal Intervention E960-E978	2		2		5	
64) Other External Causes E980-E999						

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 11 BY CAUSE OF DEATH AND BY RACE VIRGINIA, 1990

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	PLANNING DISTRICT TOTAL			DISTRICT COUNTIES AND CITIES					
				Amherst		Appomattox		Bedford	
	Total	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES OF DEATH	2,028	1,631	397	198	54	113	36	334	49
1) Shigellosis and Amebiasis 004,006									
2) Certain Other Intestinal Infections .. 007-009									
3) Tuberculosis, All Forms 010-018									
4) Whooping Cough 033									
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas 034-035									
6) Meningococcal Infection 036									
7) Septicemia 038	23	21	2	1		3		8	
8) Acute Poliomyelitis 045									
9) Measles 055									
10) Viral Hepatitis 070									
11) Syphilis 090-097									
12) Other Infectious & Parasitic Diseases ..... Residual of 001-139	10	4	6				1	1	
13) Malignant Neoplasms 140-208	507	407	100	60	15	18	5	76	12
14) Lip, Oral Cavity, and Pharynx 140-149	8	6	2			1		1	
15) Digestive Organs and Peritoneum 150-159	117	88	29	15	5	3	2	17	2
16) Respiratory & Intrathoracic Organs . 160-165	152	126	26	21	4	3	2	22	7
17) Breast 174-175	43	36	7	4	2	4		7	1
18) Genital Organs 179-187	61	48	13	7	2	1		6	1
19) Urinary Organs 188-189	17	13	4	3		1	1	3	
20) Other & Unspecified Sites .. 170-173,190-199	58	50	8	5		3		13	
21) Leukemia 204-208	20	15	5	1	1			2	
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues 200-203	31	25	6	4	1	2		5	1
23) Benign Neoplasms and Neoplasms of Unspecified Nature 210-239	7	3	4		2			1	
24) Diabetes Mellitus 250	30	20	10	3	1	2	4	3	1
25) Nutritional Deficiencies 260-269	3	2	1	1	1	1			
26) Anemias 280-285	5	2	3					1	
27) Meningitis 320-322									
28) Major Cardiovascular Diseases 390-448	868	700	168	85	27	62	17	134	20
29) Diseases of Heart 390-398,402,404-429	650	525	125	61	20	47	15	98	15
30) Rheumatic Fever and Rheumatic Heart Disease 390-398	5	4	1					1	
31) Hypertensive Heart Disease 402	14	9	5	1	2	1	1	1	1
32) Hypertensive Heart & Renal Disease 404	9	2	7				1		
33) Ischemic Heart Disease 410-414	392	327	65	48	15	30	11	58	8
34) Acute Myocardial Infarction 410	218	186	32	31	9	19	1	33	5
35) Other Ischemic Heart Disease ... 411-414	174	141	33	17	6	11	10	25	3
36) Other Diseases of Endocardium 424	6	6						1	
37) All Other Forms of Heart Disease 415-423,425-429	224	177	47	12	3	16	2	37	6
38) Hypertension 401,403	4	1	3		1			1	1
39) Cerebrovascular Diseases 430-438	178	142	36	20	6	11	1	31	3
40) Atherosclerosis 440	12	10	2	1		2		2	1
41) Other Diseases of Arteries, Arterioles, and Capillaries 441-448	24	22	2	3		2	1	2	
42) Acute Bronchitis and Bronchiolitis ... 466									
43) Pneumonia and Influenza 480-487	85	79	6	9		3		14	2
44) Chronic Obstructive Pulmonary Diseases 490-496	83	74	9	6		3		9	2
45) Ulcer of Stomach and Duodenum 531-533	4	4						1	
46) Appendicitis 540-543									
47) Hernia & Intestinal Obstruction .. 550-553,560	4	3	1					1	
48) Chronic Liver Disease and Cirrhosis .. 571	16	13	3	1			1	3	1
49) Cholelithiasis and Other Disorders of Gall Bladder 574-575	3	2	1	1					
50) Nephritis, Nephrotic Syndrome, and Nephrosis 580-589	16	14	2	2	1	1		3	
51) Infections of Kidney 590	1		1						1
52) Hyperplasia of Prostate 600	1	1							
53) Complications of Pregnancy, Childbirth, and the Puerperium 630-676									
54) Congenital Anomalies 740-759	10	8	2	2		1	1	1	
55) Certain Conditions Originating in the Perinatal Period 760-779	12	6	6				2	3	2
56) Symptoms and Ill-Defined Conditions .. 780-799	21	15	6	1		2		5	
57) All Other Diseases ..... Residual	189	147	42	9	4	13	4	32	5
58) Accidents E800-E949	99	80	19	13	3	3	1	29	3
59) Motor Vehicle Accidents E810-E825	48	40	8	6	1	1		18	
60) Home Accidents ..... Home E850-E949	18	16	2	1				5	
61) All Other Accidents ..... E800-E807, E826-E849, Other E850-E949	33	24	9	6	2	2	1	6	3
62) Suicide E950-E959	18	18		3		1		7	
63) Homicide and Legal Intervention E960-E978	13	8	5	1				2	
64) Other External Causes E980-E999									

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 11
BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1990

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	DISTRICT COUNTIES AND CITIES					
	Campbell		Bedford City		Lynchburg	
	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES OF DEATH	294	62	107	16	585	180
1) Shigellosis and Amebiasis 004,006						
2) Certain Other Intestinal Infections .. 007-009						
3) Tuberculosis, All Forms 010-018						
4) Whooping Cough 033						
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas 034-035						
6) Meningococcal Infection 036						
7) Septicemia 038	3	1	2		4	1
8) Acute Poliomyelitis 045						
9) Measles 055						
10) Viral Hepatitis 070						
11) Syphilis 090-097						
12) Other Infectious & Parasitic Diseases ..... Residual of 001-139	1	1			2	4
13) Malignant Neoplasms 140-208	79	19	24	3	150	46
14) Lip, Oral Cavity, and Pharynx 140-149	1	1			3	1
15) Digestive Organs and Peritoneum 150-159	18	3	7	2	28	15
16) Respiratory & Intrathoracic Organs . 160-165	26	2	4	1	50	10
17) Breast 174-175	9	1			12	3
18) Genital Organs 179-187	8	4	4		22	6
19) Urinary Organs 188-189	3	1			3	2
20) Other & Unspecified Sites .. 170-173,190-199	7	3	6		16	5
21) Leukemia 204-208	3	1	2		7	3
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues 200-203	4	3	1		9	1
23) Benign Neoplasms and Neoplasms of Unspecified Nature 210-239	1				1	2
24) Diabetes Mellitus 250	3	2	1		8	2
25) Nutritional Deficiencies 260-269						
26) Anemias 280-285		1	1			2
27) Meningitis 320-322						
28) Major Cardiovascular Diseases 390-448	121	23	46	8	252	73
29) Diseases of Heart 390-398,402,404-429	92	19	36	6	191	50
30) Rheumatic Fever and Rheumatic Heart Disease 390-398	2			1	1	
31) Hypertensive Heart Disease 402	2				4	1
32) Hypertensive Heart & Renal Disease 404					2	6
33) Ischemic Heart Disease 410-414	55	6	27	3	109	22
34) Acute Myocardial Infarction 410	33	5	19	3	51	9
35) Other Ischemic Heart Disease ... 411-414	22	1	8		58	13
36) Other Diseases of Endocardium 424	2				3	
37) All Other Forms of Heart Disease 415-423,425-429	31	13	9	2	72	21
38) Hypertension 401,403						1
39) Cerebrovascular Diseases 430-438	24	4	9	2	47	20
40) Atherosclerosis 440	1				4	1
41) Other Diseases of Arteries, Arterioles, and Capillaries 441-448	4		1		10	1
42) Acute Bronchitis and Bronchiolitis ... 466						
43) Pneumonia and Influenza 480-487	14	1	8		31	3
44) Chronic Obstructive Pulmonary Diseases 490-496	17	1	6		33	6
45) Ulcer of Stomach and Duodenum 531-533	1		1		1	
46) Appendicitis 540-543						
47) Hernia & Intestinal Obstruction .. 550-553,560	1				1	1
48) Chronic Liver Disease and Cirrhosis .. 571	3		2		4	1
49) Cholelithiasis and Other Disorders of Gall Bladder 574-575					1	1
50) Nephritis, Nephrotic Syndrome, and Nephrosis 580-589	3	1			5	
51) Infections of Kidney 590						
52) Hyperplasia of Prostate 600					1	
53) Complications of Pregnancy, Childbirth, and the Puerperium 630-676						
54) Congenital Anomalies 740-759	2	1			2	
55) Certain Conditions Originating in the Perinatal Period 760-779	2	1			1	1
56) Symptoms and Ill-Defined Conditions .. 780-799	3	1	1	1	3	4
57) All Other Diseases ..... Residual	20	7	8	2	65	20
58) Accidents E800-E949	15	2	3	1	17	9
59) Motor Vehicle Accidents E810-E825	8	1	1	1	6	5
60) Home Accidents ..... Home E850-E949	4	1	1		5	1
61) All Other Accidents ..... E800-E807, E826-E849, Other E850-E949	3		1		6	3
62) Suicide E950-E959	3		3		1	
63) Homicide and Legal Intervention E960-E978	2		1	1	2	4
64) Other External Causes E980-E999						

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 12
BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1990

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	PLANNING DISTRICT TOTAL			DISTRICT COUNTIES AND CITIES					
				Franklin		Henry		Patrick	
	Total	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES OF DEATH	2,480	1,893	587	317	43	366	69	167	15
1) Shigellosis and Amebiasis 004,006									
2) Certain Other Intestinal Infections .. 007-009									
3) Tuberculosis, All Forms 010-018									
4) Whooping Cough 033									
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas 034-035									
6) Meningococcal Infection 036	1	1		1					
7) Septicemia 038	17	15	2	6	1	1		3	
8) Acute Poliomyelitis 045									
9) Measles 055									
10) Viral Hepatitis 070	2	1	1						
11) Syphilis 090-097									
12) Other Infectious & Parasitic Diseases ..... Residual of 001-139	13	6	7			1	2	1	
13) Malignant Neoplasms 140-208	577	453	124	92	12	83	17	42	3
14) Lip, Oral Cavity, and Pharynx 140-149	11	6	5	1			4	1	
15) Digestive Organs and Peritoneum 150-159	134	108	26	22	2	22		8	
16) Respiratory & Intrathoracic Organs . 160-165	166	135	31	24	7	24	3	7	1
17) Breast 174-175	54	44	10	13		8	1	6	1
18) Genital Organs 179-187	78	52	26	8	1	9	2	9	
19) Urinary Organs 188-189	13	10	3	3		2	2	1	
20) Other & Unspecified Sites .. 170-173,190-199	69	58	11	14	2	11	3	5	
21) Leukemia 204-208	22	18	4	2		3	1	2	1
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues 200-203	30	22	8	5		4	1	3	
23) Benign Neoplasms and Neoplasms of Unspecified Nature 210-239	5	5		2					
24) Diabetes Mellitus 250	57	35	22	8		3	4	3	1
25) Nutritional Deficiencies 260-269	4	3	1			1			
26) Anemias 280-285	5	4	1		1	1			
27) Meningitis 320-322									
28) Major Cardiovascular Diseases 390-448	1,104	857	247	121	13	150	25	71	5
29) Diseases of Heart 390-398,402,404-429	873	685	188	97	10	128	21	46	3
30) Rheumatic Fever and Rheumatic Heart Disease 390-398	2	2							
31) Hypertensive Heart Disease 402	23	12	11	1	1	3		2	
32) Hypertensive Heart & Renal Disease 404	1		1						
33) Ischemic Heart Disease 410-414	482	390	92	52	5	78	10	27	1
34) Acute Myocardial Infarction 410	208	171	37	23	2	37	2	11	
35) Other Ischemic Heart Disease ... 411-414	274	219	55	29	3	41	8	16	1
36) Other Diseases of Endocardium 424	8	8		1		2			
37) All Other Forms of Heart Disease 415-423,425-429	357	273	84	43	4	45	11	17	2
38) Hypertension 401,403	11	7	4	1		2			
39) Cerebrovascular Diseases 430-438	181	132	49	18	3	17	4	18	2
40) Atherosclerosis 440	18	15	3	3		2		3	
41) Other Diseases of Arteries, Arterioles, and Capillaries 441-448	21	18	3	2		1		4	
42) Acute Bronchitis and Bronchiolitis ... 466	1	1							
43) Pneumonia and Influenza 480-487	85	72	13	15	1	18	1	6	
44) Chronic Obstructive Pulmonary Diseases 490-496	82	77	5	10	2	17		4	
45) Ulcer of Stomach and Duodenum 531-533	5	3	2	1		1		1	
46) Appendicitis 540-543									
47) Hernia & Intestinal Obstruction .. 550-553,560	4	4				1			
48) Chronic Liver Disease and Cirrhosis .. 571	22	17	5	3		4		1	
49) Cholelithiasis and Other Disorders of Gall Bladder 574-575	2	1	1	1					
50) Nephritis, Nephrotic Syndrome, and Nephrosis 580-589	35	18	17	6	2	3	3	1	2
51) Infections of Kidney 590									
52) Hyperplasia of Prostate 600									
53) Complications of Pregnancy, Childbirth, and the Puerperium 630-676									
54) Congenital Anomalies 740-759	12	8	4	3	1	4			
55) Certain Conditions Originating in the Perinatal Period 760-779	21	9	12	4	1	1	1	1	
56) Symptoms and Ill-Defined Conditions .. 780-799	25	20	5	5		5	1	2	
57) All Other Diseases ..... Residual	194	141	53	19	6	35	5	20	1
58) Accidents E800-E949	125	87	38	12	3	19	4	7	2
59) Motor Vehicle Accidents E810-E825	70	49	21	10	2	11	2	3	1
60) Home Accidents ..... Home E850-E949	25	17	8	1		3	1		1
61) All Other Accidents ..... E800-E807, E826-E849, Other E850-E949	30	21	9	1	1	5	1	4	
62) Suicide E950-E959	41	36	5	7		7	2	2	
63) Homicide and Legal Intervention E960-E978	40	18	22	1		10	4	2	1
64) Other External Causes E980-E999	1	1				1			

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 12
BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1990

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	DISTRICT COUNTIES AND CITIES					
	Pittsylvania		Danville		Martinsville	
	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES OF DEATH	387	156	507	210	149	94
1) Shigellosis and Amebiasis 004,006						
2) Certain Other Intestinal Infections .. 007-009						
3) Tuberculosis, All Forms 010-018						
4) Whooping Cough 033						
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas 034-035						
6) Meningococcal Infection 036						
7) Septicemia 038	1		3	1	1	
8) Acute Poliomyelitis 045						
9) Measles 055						
10) Viral Hepatitis 070			1	1		
11) Syphilis 090-097						
12) Other Infectious & Parasitic Diseases ..... Residual of 001-139	1	1	3	3		1
13) Malignant Neoplasms 140-208	89	29	115	45	32	18
14) Lip, Oral Cavity, and Pharynx 140-149	3	1	1			
15) Digestive Organs and Peritoneum 150-159	19	8	28	12	9	4
16) Respiratory & Intrathoracic Organs . 160-165	32	8	39	8	9	4
17) Breast 174-175	5	3	9	5	3	
18) Genital Organs 179-187	12	4	8	13	6	6
19) Urinary Organs 188-189		1	4			
20) Other & Unspecified Sites .. 170-173,190-199	10	3	15	2	3	1
21) Leukemia 204-208	6		5	2		
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues 200-203	2	1	5	3	2	3
23) Benign Neoplasms and Neoplasms of Unspecified Nature 210-239	2		1			
24) Diabetes Mellitus 250	6	6	15	6		5
25) Nutritional Deficiencies 260-269			1	1	1	
26) Anemias 280-285	2		1			
27) Meningitis 320-322						
28) Major Cardiovascular Diseases 390-448	190	72	241	95	84	37
29) Diseases of Heart 390-398,402,404-429	145	58	199	70	70	26
30) Rheumatic Fever and Rheumatic Heart Disease 390-398	2					
31) Hypertensive Heart Disease 402	2	3	1	7	3	
32) Hypertensive Heart & Renal Disease 404						1
33) Ischemic Heart Disease 410-414	75	32	111	34	47	10
34) Acute Myocardial Infarction 410	33	14	47	16	20	3
35) Other Ischemic Heart Disease ... 411-414	42	18	64	18	27	7
36) Other Diseases of Endocardium 424	1		4			
37) All Other Forms of Heart Disease 415-423,425-429	65	23	83	29	20	15
38) Hypertension 401,403	2	2	1	1	1	1
39) Cerebrovascular Diseases 430-438	36	10	35	21	8	9
40) Atherosclerosis 440	2	2	3	1	2	
41) Other Diseases of Arteries, Arterioles, and Capillaries 441-448	5		3	2	3	1
42) Acute Bronchitis and Bronchiolitis ... 466			1			
43) Pneumonia and Influenza 480-487	11	4	15	7	7	
44) Chronic Obstructive Pulmonary Diseases 490-496	10	1	31	1	5	1
45) Ulcer of Stomach and Duodenum 531-533				2		
46) Appendicitis 540-543						
47) Hernia & Intestinal Obstruction .. 550-553,560	1		1		1	
48) Chronic Liver Disease and Cirrhosis .. 571	4	2	5	3		
49) Cholelithiasis and Other Disorders of Gall Bladder 574-575				1		
50) Nephritis, Nephrotic Syndrome, and Nephrosis 580-589	2	3	6	4		3
51) Infections of Kidney 590						
52) Hyperplasia of Prostate 600						
53) Complications of Pregnancy, Childbirth, and the Puerperium 630-676						
54) Congenital Anomalies 740-759		1	1	2		
55) Certain Conditions Originating in the Perinatal Period 760-779	1		2	7		3
56) Symptoms and Ill-Defined Conditions .. 780-799	1	1	5	2	2	1
57) All Other Diseases ..... Residual	24	17	36	14	7	10
58) Accidents E800-E949	27	11	17	13	5	5
59) Motor Vehicle Accidents E810-E825	14	8	8	5	3	3
60) Home Accidents ..... Home E850-E949	7	1	4	4	2	1
61) All Other Accidents ..... E800-E807, E826-E849, Other E850-E949	6	2	5	4		1
62) Suicide E950-E959	13	1	4		3	2
63) Homicide and Legal Intervention E960-E978	2	7	2	2	1	8
64) Other External Causes E980-E999						

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 13
BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1990

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	PLANNING DISTRICT TOTAL			DISTRICT COUNTIES AND CITY							
				Brunswick		Halifax		Mecklenburg		South Boston	
	Total	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES OF DEATH	1,035	604	431	81	110	235	138	222	141	66	42
1) Shigellosis and Amebiasis 004,006											
2) Certain Other Intestinal Infections .. 007-009	1		1				1				
3) Tuberculosis, All Forms 010-018											
4) Whooping Cough 033											
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas 034-035											
6) Meningococcal Infection 036											
7) Septicemia 038	17	14	3	1	1	8	2	3		2	
8) Acute Poliomyelitis 045											
9) Measles 055											
10) Viral Hepatitis 070	1	1				1					
11) Syphilis 090-097											
12) Other Infectious & Parasitic Diseases ..... Residual of 001-139	8	1	7		2		3	1	2		
13) Malignant Neoplasms 140-208	224	125	99	17	28	54	28	42	34	12	9
14) Lip, Oral Cavity, and Pharynx 140-149	4	3	1			1		2			1
15) Digestive Organs and Peritoneum 150-159	62	27	35	3	9	11	11	10	12	3	3
16) Respiratory & Intrathoracic Organs . 160-165	64	35	29	4	11	13	9	14	9	4	
17) Breast 174-175	15	11	4	3		5	2	3	1		1
18) Genital Organs 179-187	25	11	14	2	4	4	3	4	5	1	2
19) Urinary Organs 188-189	7	2	5			1		1	4		1
20) Other & Unspecified Sites .. 170-173,190-199	31	24	7	2	3	13	2	6	2	3	
21) Leukemia 204-208	6	4	2		1	4			1		
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues 200-203	10	8	2	3		2	1	2		1	1
23) Benign Neoplasms and Neoplasms of Unspecified Nature 210-239	1		1								
24) Diabetes Mellitus 250	18	7	11	2	3	3	3	1	5	1	1
25) Nutritional Deficiencies 260-269											
26) Anemias 280-285	2		2				1		1		
27) Meningitis 320-322											
28) Major Cardiovascular Diseases 390-448	460	270	190	34	44	99	59	112	68	25	19
29) Diseases of Heart 390-398,402,404-429	339	196	143	30	29	73	50	79	52	14	12
30) Rheumatic Fever and Rheumatic Heart Disease 390-398	1	1						1			
31) Hypertensive Heart Disease 402	10	3	7	2	5	1	2				
32) Hypertensive Heart & Renal Disease 404	1	1				1					
33) Ischemic Heart Disease 410-414	210	117	93	18	17	43	35	47	32	9	9
34) Acute Myocardial Infarction 410	117	70	47	11	10	24	13	29	20	6	4
35) Other Ischemic Heart Disease ... 411-414	93	47	46	7	7	19	22	18	12	3	5
36) Other Diseases of Endocardium 424	11	7	4		2	1	1	4	1	2	
37) All Other Forms of Heart Disease 415-423,425-429	106	67	39	10	5	27	12	27	19	3	3
38) Hypertension 401,403	6	5	1	1		2		1	1	1	
39) Cerebrovascular Diseases 430-438	106	64	42	2	14	23	8	30	13	9	7
40) Atherosclerosis 440	1		1						1		
41) Other Diseases of Arteries, Arterioles, and Capillaries 441-448	8	5	3	1	1	1	1	2	1	1	
42) Acute Bronchitis and Bronchiolitis ... 466											
43) Pneumonia and Influenza 480-487	35	28	7	5		10	3	9	2	4	2
44) Chronic Obstructive Pulmonary Diseases 490-496	32	25	7	4	1	10	2	5	3	6	1
45) Ulcer of Stomach and Duodenum 531-533	7	5	2	1	1			4	1		
46) Appendicitis 540-543											
47) Hernia & Intestinal Obstruction .. 550-553,560	3	2	1	2							1
48) Chronic Liver Disease and Cirrhosis .. 571	5	3	2			3			1		1
49) Cholelithiasis and Other Disorders of Gall Bladder 574-575	2	1	1		1					1	
50) Nephritis, Nephrotic Syndrome, and Nephrosis 580-589	14	3	11	1	2	2	3		4		2
51) Infections of Kidney 590	1		1								1
52) Hyperplasia of Prostate 600											
53) Complications of Pregnancy, Childbirth, and the Puerperium 630-676											
54) Congenital Anomalies 740-759	3	1	2		1			1	1		
55) Certain Conditions Originating in the Perinatal Period 760-779	8	1	7		3	1	2		2		
56) Symptoms and Ill-Defined Conditions .. 780-799	19	15	4		1	7	3	2		6	
57) All Other Diseases ..... Residual	100	62	38	9	12	23	14	23	9	7	3
58) Accidents E800-E949	58	33	25	5	7	12	12	14	4	2	2
59) Motor Vehicle Accidents E810-E825	30	17	13	2	3	6	9	9	1		
60) Home Accidents ..... Home E850-E949	9	3	6		2	1	3	2	1		
61) All Other Accidents ..... E800-E807, E826-E849, Other E810-E949	19	13	6	3	2	5		3	2	2	2
62) Suicide E950-E959	9	5	4		1		1	5	2		
63) Homicide and Legal Intervention E960-E978	7	2	5		2	2	1		2		
64) Other External Causes E980-E999											

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 14
BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1990

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	PLANNING DISTRICT TOTAL			DISTRICT COUNTIES					
				Amelia		Buckingham		Charlotte	
	Total	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES OF DEATH	951	577	374	42	42	81	49	96	47
1) Shigellosis and Amebiasis 004,006									
2) Certain Other Intestinal Infections .. 007-009									
3) Tuberculosis, All Forms 010-018	2	1	1					1	
4) Whooping Cough 033	17	8	9	1	2	1		1	
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas 034-035									
6) Meningococcal Infection 036									
7) Septicemia 038									
8) Acute Poliomyelitis 045									
9) Measles 055									
10) Viral Hepatitis 070									
11) Syphilis 090-097									
12) Other Infectious & Parasitic Diseases ..... Residual of 001-139	6	2	4					1	
13) Malignant Neoplasms 140-208	213	126	87	12	9	11	19	17	9
14) Lip, Oral Cavity, and Pharynx 140-149	3	1	2						1
15) Digestive Organs and Peritoneum 150-159	40	18	22		3	1	3	2	4
16) Respiratory & Intrathoracic Organs . 160-165	54	35	19	5	1	6	8	3	1
17) Breast 174-175	21	12	9	1	3		2	1	
18) Genital Organs 179-187	36	17	19	3	1		3	4	1
19) Urinary Organs 188-189	7	6	1	2			1	1	
20) Other & Unspecified Sites .. 170-173,190-199	27	18	9		1	2		4	1
21) Leukemia 204-208	13	10	3				1	1	
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues 200-203	12	9	3	1		2	1	1	1
23) Benign Neoplasms and Neoplasms of Unspecified Nature 210-239	4	1	3					1	1
24) Diabetes Mellitus 250	19	8	11	2	1	2		1	1
25) Nutritional Deficiencies 260-269	2	1	1				1		
26) Anemias 280-285	1		1		1				
27) Meningitis 320-322									
28) Major Cardiovascular Diseases 390-448	413	262	151	12	14	39	17	43	21
29) Diseases of Heart 390-398,402,404-429	321	211	110	8	11	31	14	35	13
30) Rheumatic Fever and Rheumatic Heart Disease 390-398	2	1	1			1			
31) Hypertensive Heart Disease 402	12	6	6				1	1	1
32) Hypertensive Heart & Renal Disease 404									
33) Ischemic Heart Disease 410-414	198	136	62	5	6	25	9	22	7
34) Acute Myocardial Infarction 410	125	94	31	5	3	19	8	19	2
35) Other Ischemic Heart Disease ... 411-414	73	42	31		3	6	1	3	5
36) Other Diseases of Endocardium 424	4	4		1				1	
37) All Other Forms of Heart Disease 415-423,425-429	105	64	41	2	5	5	4	11	5
38) Hypertension 401,403	2	1	1						1
39) Cerebrovascular Diseases 430-438	79	41	38	4	3	7	2	7	6
40) Atherosclerosis 440	4	3	1						1
41) Other Diseases of Arteries, Arterioles, and Capillaries 441-448	7	6	1			1	1	1	
42) Acute Bronchitis and Bronchiolitis ... 466	1		1						
43) Pneumonia and Influenza 480-487	41	31	10	2		3	1	5	1
44) Chronic Obstructive Pulmonary Diseases 490-496	26	20	6	1	2	3	1	4	1
45) Ulcer of Stomach and Duodenum 531-533	2	2		1		1			
46) Appendicitis 540-543									
47) Hernia & Intestinal Obstruction .. 550-553,560	1		1						
48) Chronic Liver Disease and Cirrhosis .. 571	9	3	6		1		2		
49) Cholelithiasis and Other Disorders of Gall Bladder 574-575	2	2							
50) Nephritis, Nephrotic Syndrome, and Nephrosis 580-589	10	4	6		3	1		1	
51) Infections of Kidney 590									
52) Hyperplasia of Prostate 600									
53) Complications of Pregnancy, Childbirth, and the Puerperium 630-676									
54) Congenital Anomalies 740-759	6	5	1		1	2		1	
55) Certain Conditions Originating in the Perinatal Period 760-779	7	1	6					1	1
56) Symptoms and Ill-Defined Conditions .. 780-799	7	4	3					1	
57) All Other Diseases ..... Residual	84	49	35	2	4	7	4	9	7
58) Accidents E800-E949	57	32	25	5	4	8	4	6	4
59) Motor Vehicle Accidents E810-E825	30	20	10	4	1	6	2	4	2
60) Home Accidents ..... Home E850-E949	8	2	6		3				1
61) All Other Accidents ..... E800-E807, E826-E849, Other E850-E949	19	10	9	1		2	2	2	1
62) Suicide E950-E959	15	12	3	2		3		3	1
63) Homicide and Legal Intervention E960-E978	5	2	3	2					
64) Other External Causes E980-E999	1	1							

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 14
BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1990

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	DISTRICT COUNTIES							
	Cumberland		Lunenburg		Nottoway		Prince Edward	
	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES OF DEATH	43	27	70	63	137	74	108	72
1) Shigellosis and Amebiasis 004,006								
2) Certain Other Intestinal Infections .. 007-009								
3) Tuberculosis, All Forms 010-018						1		
4) Whooping Cough 033								
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas 034-035								
6) Meningococcal Infection 036								
7) Septicemia 038		2	2	1	2	2	1	2
8) Acute Poliomyelitis 045								
9) Measles 055								
10) Viral Hepatitis 070								
11) Syphilis 090-097								
12) Other Infectious & Parasitic Diseases ..... Residual of 001-139		1		2	1	1		
13) Malignant Neoplasms 140-208	13	7	13	15	34	14	26	14
14) Lip, Oral Cavity, and Pharynx 140-149							1	1
15) Digestive Organs and Peritoneum 150-159	5		2	2	6	3	2	7
16) Respiratory & Intrathoracic Organs . 160-165	4	3	3	3	9	2	5	1
17) Breast 174-175			1	3	4	1	5	
18) Genital Organs 179-187	2	3	1	3	3	5	4	3
19) Urinary Organs 188-189	1				1		1	
20) Other & Unspecified Sites .. 170-173,190-199		1	4	1	4	3	4	2
21) Leukemia 204-208	1		1	2	4		3	
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues 200-203			1	1	3		1	
23) Benign Neoplasms and Neoplasms of Unspecified Nature 210-239						2		
24) Diabetes Mellitus 250		1	1	4	1	3	1	1
25) Nutritional Deficiencies 260-269					1			
26) Anemias 280-285								
27) Meningitis 320-322								
28) Major Cardiovascular Diseases 390-448	23	10	37	29	61	29	47	31
29) Diseases of Heart 390-398,402,404-429	16	5	35	22	55	21	31	24
30) Rheumatic Fever and Rheumatic Heart Disease 390-398								1
31) Hypertensive Heart Disease 402	2		1	1	2			3
32) Hypertensive Heart & Renal Disease 404								
33) Ischemic Heart Disease 410-414	7	4	24	10	32	13	21	13
34) Acute Myocardial Infarction 410	6	3	11	4	20	6	14	5
35) Other Ischemic Heart Disease ... 411-414	1	1	13	6	12	7	7	8
36) Other Diseases of Endocardium 424	1		1					
37) All Other Forms of Heart Disease 415-423,425-429	6	1	9	11	21	8	10	7
38) Hypertension 401,403	1							
39) Cerebrovascular Diseases 430-438	4	5	2	7	5	8	12	7
40) Atherosclerosis 440	1						2	
41) Other Diseases of Arteries, Arterioles, and Capillaries 441-448	1				1		2	
42) Acute Bronchitis and Bronchiolitis ... 466								1
43) Pneumonia and Influenza 480-487			4	2	9	3	8	3
44) Chronic Obstructive Pulmonary Diseases 490-496	2		1	1	6		3	1
45) Ulcer of Stomach and Duodenum 531-533								
46) Appendicitis 540-543								
47) Hernia & Intestinal Obstruction .. 550-553,560								1
48) Chronic Liver Disease and Cirrhosis .. 571			3	1		1		1
49) Cholelithiasis and Other Disorders of Gall Bladder 574-575							2	
50) Nephritis, Nephrotic Syndrome, and Nephrosis 580-589						2	2	1
51) Infections of Kidney 590								
52) Hyperplasia of Prostate 600								
53) Complications of Pregnancy, Childbirth, and the Puerperium 630-676								
54) Congenital Anomalies 740-759							2	
55) Certain Conditions Originating in the Perinatal Period 760-779				1		1		3
56) Symptoms and Ill-Defined Conditions .. 780-799		1			3	2		
57) All Other Diseases ..... Residual	3	2	7	3	10	7	11	8
58) Accidents E800-E949		2	1	4	8	4	4	3
59) Motor Vehicle Accidents E810-E825				2	4	2	2	1
60) Home Accidents ..... Home E850-E949			1		1	1		1
61) All Other Accidents ..... E800-E807, E826-E849, Other E850-E949		2		2	3	1	2	1
62) Suicide E950-E959	2	1	1				1	1
63) Homicide and Legal Intervention E960-E978						2		1
64) Other External Causes E980-E999					1			

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 15
BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1990

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	PLANNING DISTRICT TOTAL			DISTRICT COUNTIES AND CITY							
				Charles City		Chesterfield		Goochland		Hanover	
	Total	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES OF DEATH	6,083	4,230	1,853	11	38	807	95	52	45	415	75
1) Shigellosis and Amebiasis 004,006											
2) Certain Other Intestinal Infections .. 007-009	1		1								
3) Tuberculosis, All Forms 010-018	6	4	2			1					
4) Whooping Cough 033											
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas 034-035											
6) Meningococcal Infection 036	1	1									
7) Septicemia 038	100	58	42		1	11	2		2	3	1
8) Acute Poliomyelitis 045											
9) Measles 055											
10) Viral Hepatitis 070											
11) Syphilis 090-097	5	4	1			2					
12) Other Infectious & Parasitic Diseases ..... Residual of 001-139	1		1								
	71	37	34			4	5	1		3	
13) Malignant Neoplasms 140-208	1,424	1,039	385	2	9	229	22	13	13	115	15
14) Lip, Oral Cavity, and Pharynx 140-149	23	17	6			3				2	2
15) Digestive Organs and Peritoneum 150-159	317	224	93			43	5	4	5	29	3
16) Respiratory & Intrathoracic Organs . 160-165	437	334	103	2	6	81	5	6	4	37	2
17) Breast 174-175	136	109	27			19	4	1		12	1
18) Genital Organs 179-187	184	132	52		1	29	2	1	2	12	1
19) Urinary Organs 188-189	47	36	11			9				1	
20) Other & Unspecified Sites .. 170-173,190-199	176	116	60		2	27	4		1	7	4
21) Leukemia 204-208	40	29	11			8	1	1		7	1
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues 200-203	64	42	22			10	1		1	8	1
23) Benign Neoplasms and Neoplasms of Unspecified Nature 210-239	21	16	5			3		2		1	
24) Diabetes Mellitus 250	112	71	41		2	14	3		3	4	
25) Nutritional Deficiencies 260-269	6	3	3			1					
26) Anemias 280-285	14	10	4			1				1	
27) Meningitis 320-322	8	3	5								
28) Major Cardiovascular Diseases 390-448	2,451	1,794	657	7	14	312	30	24	14	175	37
29) Diseases of Heart 390-398,402,404-429	1,855	1,363	492	4	10	229	26	17	13	134	28
30) Rheumatic Fever and Rheumatic Heart Disease 390-398	10	7	3			2		1			
31) Hypertensive Heart Disease 402	38	24	14			2				1	3
32) Hypertensive Heart & Renal Disease 404	7	3	4								
33) Ischemic Heart Disease 410-414	1,066	826	240	1	5	146	16	9	8	77	14
34) Acute Myocardial Infarction 410	518	407	111	1	2	87	6	3	5	42	5
35) Other Ischemic Heart Disease ... 411-414	548	419	129		3	59	10	6	3	35	9
36) Other Diseases of Endocardium 424	29	22	7			3		1			1
37) All Other Forms of Heart Disease 415-423,425-429	705	481	224	3	5	76	10	6	5	56	10
38) Hypertension 401,403	24	15	9			1				1	1
39) Cerebrovascular Diseases 430-438	462	331	131	3	3	61	3	6	1	33	7
40) Atherosclerosis 440	48	38	10		1	11				4	
41) Other Diseases of Arteries, Arterioles, and Capillaries 441-448	62	47	15			10	1	1		3	1
42) Acute Bronchitis and Bronchiolitis ... 466	1	1									
43) Pneumonia and Influenza 480-487	187	141	46		1	23	2	1	1	12	2
44) Chronic Obstructive Pulmonary Diseases 490-496	244	189	55	1	1	34	2	3	3	18	2
45) Ulcer of Stomach and Duodenum 531-533	11	9	2			1				1	
46) Appendicitis 540-543											
47) Hernia & Intestinal Obstruction .. 550-553,560	17	13	4			1				2	
48) Chronic Liver Disease and Cirrhosis .. 571	75	53	22			7	1	1		6	1
49) Cholelithiasis and Other Disorders of Gall Bladder 574-575	1	1									
50) Nephritis, Nephrotic Syndrome, and Nephrosis 580-589	58	26	32		2	2	1	1	2	2	1
51) Infections of Kidney 590	1	1				1					
52) Hyperplasia of Prostate 600	1	1								1	
53) Complications of Pregnancy, Childbirth, and the Puerperium 630-676											
54) Congenital Anomalies 740-759	37	23	14			8	1			1	2
55) Certain Conditions Originating in the Perinatal Period 760-779	82	24	58			5	5			6	2
56) Symptoms and Ill-Defined Conditions .. 780-799	80	51	29			6	2		1	4	
57) All Other Diseases ..... Residual	588	382	206		3	57	10	4	4	25	6
58) Accidents E800-E949	224	153	71	1	5	41	4	1	1	21	2
59) Motor Vehicle Accidents E810-E825	91	66	25		3	24	3	1		3	1
60) Home Accidents ..... Home E850-E949	48	27	21	1	2	6				5	
61) All Other Accidents ..... E800-E807, E826-E849, Other E850-E949	85	60	25			11	1		1	13	1
62) Suicide E950-E959	107	90	17			33	1		1	14	2
63) Homicide and Legal Intervention E960-E978	143	28	115			8	4	1			2
64) Other External Causes E980-E999	5	4	1			2					

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 15
BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1990

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	DISTRICT COUNTIES AND CITY							
	Henrico		New Kent		Powhatan		Richmond City	
	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES OF DEATH	1,570	250	66	31	80	29	1,229	1,290
1) Shigellosis and Amebiasis 004,006								
2) Certain Other Intestinal Infections .. 007-009								1
3) Tuberculosis, All Forms 010-018	1		1				1	2
4) Whooping Cough 033								
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas 034-035								
6) Meningococcal Infection 036	1							
7) Septicemia 038	22	12	1			1	21	23
8) Acute Poliomyelitis 045								
9) Measles 055								
10) Viral Hepatitis 070	1				1	1		
11) Syphilis 090-097		1						
12) Other Infectious & Parasitic Diseases ..... Residual of 001-139	11	4					18	25
13) Malignant Neoplasms 140-208	372	60	18	6	21	4	269	256
14) Lip, Oral Cavity, and Pharynx 140-149	6					1	6	3
15) Digestive Organs and Peritoneum 150-159	80	13	2	2	2	1	64	64
16) Respiratory & Intrathoracic Organs . 160-165	107	15	7	2	10	1	84	68
17) Breast 174-175	46	7	2		1		28	15
18) Genital Organs 179-187	52	9	1		2	1	35	36
19) Urinary Organs 188-189	14	2	2		2		8	9
20) Other & Unspecified Sites .. 170-173,190-199	48	8	3	2	3		28	39
21) Leukemia 204-208	9	1					4	8
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues 200-203	10	5	1		1		12	14
23) Benign Neoplasms and Neoplasms of Unspecified Nature 210-239	6	1	2				2	4
24) Diabetes Mellitus 250	23	2	1		3		26	31
25) Nutritional Deficiencies 260-269	2							3
26) Anemias 280-285	1						7	4
27) Meningitis 320-322	2						1	5
28) Major Cardiovascular Diseases 390-448	681	77	28	14	28	12	539	459
29) Diseases of Heart 390-398,402,404-429	498	51	24	13	24	6	433	345
30) Rheumatic Fever and Rheumatic Heart Disease 390-398	3	2					1	1
31) Hypertensive Heart Disease 402	7	2	1		1	2	12	7
32) Hypertensive Heart & Renal Disease 404	2	1					1	3
33) Ischemic Heart Disease 410-414	301	17	11	7	14	2	287	171
34) Acute Myocardial Infarction 410	134	7	9	4	3	1	128	81
35) Other Ischemic Heart Disease ... 411-414	167	10	2	3	11	1	139	90
36) Other Diseases of Endocardium 424	10	1	1		1		6	5
37) All Other Forms of Heart Disease 415-423,425-429	175	28	11	6	8	2	146	158
38) Hypertension 401,403	9	1					4	7
39) Cerebrovascular Diseases 430-438	137	18	4	1	3	4	84	94
40) Atherosclerosis 440	15	4				2	8	3
41) Other Diseases of Arteries, Arterioles, and Capillaries 441-448	22	3			1		10	10
42) Acute Bronchitis and Bronchiolitis ... 466							1	
43) Pneumonia and Influenza 480-487	52	8	4		2		47	32
44) Chronic Obstructive Pulmonary Diseases 490-496	82	9	3	1	3		45	37
45) Ulcer of Stomach and Duodenum 531-533	4	1				1	3	
46) Appendicitis 540-543								
47) Hernia & Intestinal Obstruction .. 550-553,560	6						4	4
48) Chronic Liver Disease and Cirrhosis .. 571	17	2	2		1		19	18
49) Cholelithiasis and Other Disorders of Gall Bladder 574-575	1							
50) Nephritis, Nephrotic Syndrome, and Nephrosis 580-589	12	5		1	2	1	7	19
51) Infections of Kidney 590								
52) Hyperplasia of Prostate 600								
53) Complications of Pregnancy, Childbirth, and the Puerperium 630-676								
54) Congenital Anomalies 740-759	9	7			1	1	4	3
55) Certain Conditions Originating in the Perinatal Period 760-779	7	12		1	1		5	38
56) Symptoms and Ill-Defined Conditions .. 780-799	20	5	1	1	1	1	19	19
57) All Other Diseases ..... Residual	160	27	1	3	5	5	130	148
58) Accidents E800-E949	43	4	3	2	6	2	37	51
59) Motor Vehicle Accidents E810-E825	16	1	3	1	4	1	15	15
60) Home Accidents ..... Home E850-E949	5	2			1		9	17
61) All Other Accidents ..... E800-E807, E826-E849, Other E850-E949	22	1		1	1	1	13	19
62) Suicide E950-E959	21	1	1		2		19	12
63) Homicide and Legal Intervention E960-E978	12	12		2	2		5	95
64) Other External Causes E980-E999	1				1			1

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 16
BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1990

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	PLANNING DISTRICT TOTAL			DISTRICT COUNTIES AND CITY			
				Caroline		King George	
	Total	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES OF DEATH	1,080	860	220	117	75	65	19
1) Shigellosis and Amebiasis 004,006							
2) Certain Other Intestinal Infections .. 007-009							
3) Tuberculosis, All Forms 010-018	1	1					
4) Whooping Cough 033							
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas 034-035							
6) Meningococcal Infection 036							
7) Septicemia 038	20	15	5	1	2		
8) Acute Poliomyelitis 045							
9) Measles 055							
10) Viral Hepatitis 070							
11) Syphilis 090-097							
12) Other Infectious & Parasitic Diseases ..... Residual of 001-139	10	5	5	1			2
13) Malignant Neoplasms 140-208	266	207	59	33	20	18	4
14) Lip, Oral Cavity, and Pharynx 140-149	3	2	1			1	
15) Digestive Organs and Peritoneum 150-159	57	47	10	8	4	2	
16) Respiratory & Intrathoracic Organs . 160-165	76	57	19	8	9	6	2
17) Breast 174-175	22	16	6	4	2	1	1
18) Genital Organs 179-187	32	25	7	3	3	4	1
19) Urinary Organs 188-189	11	10	1	2			
20) Other & Unspecified Sites .. 170-173,190-199	41	32	9	6	2	4	
21) Leukemia 204-208	6	4	2	1			
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues 200-203	18	14	4	1			
23) Benign Neoplasms and Neoplasms of Unspecified Nature 210-239	2	2					
24) Diabetes Mellitus 250	22	17	5	5	2		
25) Nutritional Deficiencies 260-269	3	2	1	1	1		
26) Anemias 280-285	4	3	1	1		1	1
27) Meningitis 320-322							
28) Major Cardiovascular Diseases 390-448	411	337	74	40	24	24	4
29) Diseases of Heart 390-398,402,404-429	324	263	61	32	21	19	3
30) Rheumatic Fever and Rheumatic Heart Disease 390-398	1	1		1			
31) Hypertensive Heart Disease 402	6	5	1				
32) Hypertensive Heart & Renal Disease 404	1	1		1			
33) Ischemic Heart Disease 410-414	214	180	34	21	10	13	3
34) Acute Myocardial Infarction 410	99	87	12	10	3	6	1
35) Other Ischemic Heart Disease ... 411-414	115	93	22	11	7	7	2
36) Other Diseases of Endocardium 424	5	4	1				
37) All Other Forms of Heart Disease 415-423,425-429	97	72	25	9	11	6	
38) Hypertension 401,403	2	2					
39) Cerebrovascular Diseases 430-438	66	57	9	6	3	4	1
40) Atherosclerosis 440	6	4	2	1			
41) Other Diseases of Arteries, Arterioles, and Capillaries 441-448	13	11	2	1		1	
42) Acute Bronchitis and Bronchiolitis ... 466	1	1					
43) Pneumonia and Influenza 480-487	32	28	4	5	1	1	
44) Chronic Obstructive Pulmonary Diseases 490-496	36	30	6	2			3
45) Ulcer of Stomach and Duodenum 531-533	2	2					
46) Appendicitis 540-543							
47) Hernia & Intestinal Obstruction .. 550-553,560	2	2					
48) Chronic Liver Disease and Cirrhosis .. 571	8	7	1	1		1	
49) Cholelithiasis and Other Disorders of Gall Bladder 574-575	4	4		1			
50) Nephritis, Nephrotic Syndrome, and Nephrosis 580-589	9	6	3	1	1		1
51) Infections of Kidney 590							
52) Hyperplasia of Prostate 600							
53) Complications of Pregnancy, Childbirth, and the Puerperium 630-676							
54) Congenital Anomalies 740-759	7	6	1	1	1		
55) Certain Conditions Originating in the Perinatal Period 760-779	17	13	4	1	1		
56) Symptoms and Ill-Defined Conditions .. 780-799	12	10	2				1
57) All Other Diseases ..... Residual	100	82	18	8	8	11	1
58) Accidents E800-E949	83	57	26	10	11	9	1
59) Motor Vehicle Accidents E810-E825	48	31	17	4	7	6	1
60) Home Accidents ..... Home E850-E949	10	7	3	3	1		
61) All Other Accidents ..... E800-E807, E826-E849, Other E850-E949	25	19	6	3	3	3	
62) Suicide E950-E959	22	21	1	5			1
63) Homicide and Legal Intervention E960-E978	5	2	3		2		
64) Other External Causes E980-E999	1		1		1		

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 16
BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1990

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	DISTRICT COUNTIES AND CITY					
	Spotsylvania		Stafford		Fredericksburg	
	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES OF DEATH	246	55	256	33	176	38
1) Shigellosis and Amebiasis 004,006						
2) Certain Other Intestinal Infections .. 007-009						
3) Tuberculosis, All Forms 010-018	1					
4) Whooping Cough 033						
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas 034-035						
6) Meningococcal Infection 036						
7) Septicemia 038	8	2	2	1	4	
8) Acute Poliomyelitis 045						
9) Measles 055						
10) Viral Hepatitis 070						
11) Syphilis 090-097						
12) Other Infectious & Parasitic Diseases ..... Residual of 001-139	2	1	2	1		1
13) Malignant Neoplasms 140-208	51	11	58	9	47	15
14) Lip, Oral Cavity, and Pharynx 140-149	1					1
15) Digestive Organs and Peritoneum 150-159	13	2	11		13	4
16) Respiratory & Intrathoracic Organs . 160-165	10	4	19	2	14	2
17) Breast 174-175	4	1	4		3	2
18) Genital Organs 179-187	6		7	2	5	1
19) Urinary Organs 188-189	1		4		3	1
20) Other & Unspecified Sites .. 170-173,190-199	8	1	11	4	3	2
21) Leukemia 204-208		1	1	1	2	
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues 200-203	8	2	1		4	2
23) Benign Neoplasms and Neoplasms of Unspecified Nature 210-239			1		1	
24) Diabetes Mellitus 250	5	1	7	1		1
25) Nutritional Deficiencies 260-269					1	
26) Anemias 280-285					1	
27) Meningitis 320-322						
28) Major Cardiovascular Diseases 390-448	96	24	106	11	71	11
29) Diseases of Heart 390-398,402,404-429	73	19	82	9	57	9
30) Rheumatic Fever and Rheumatic Heart Disease 390-398						
31) Hypertensive Heart Disease 402			3		2	1
32) Hypertensive Heart & Renal Disease 404						
33) Ischemic Heart Disease 410-414	46	14	62	4	38	3
34) Acute Myocardial Infarction 410	22	5	30	3	19	
35) Other Ischemic Heart Disease ... 411-414	24	9	32	1	19	3
36) Other Diseases of Endocardium 424	2	1	2			
37) All Other Forms of Heart Disease 415-423,425-429	25	4	15	5	17	5
38) Hypertension 401,403	1		1			
39) Cerebrovascular Diseases 430-438	17	3	20	1	10	1
40) Atherosclerosis 440	1	1	2	1		
41) Other Diseases of Arteries, Arterioles, and Capillaries 441-448	4	1	1		4	1
42) Acute Bronchitis and Bronchiolitis ... 466	1					
43) Pneumonia and Influenza 480-487	7	2	7		8	1
44) Chronic Obstructive Pulmonary Diseases 490-496	12	3	11		5	
45) Ulcer of Stomach and Duodenum 531-533			2			
46) Appendicitis 540-543						
47) Hernia & Intestinal Obstruction .. 550-553,560	1		1			
48) Chronic Liver Disease and Cirrhosis .. 571	1	1	2		2	
49) Cholelithiasis and Other Disorders of Gall Bladder 574-575	1				2	
50) Nephritis, Nephrotic Syndrome, and Nephrosis 580-589	2		2		1	1
51) Infections of Kidney 590						
52) Hyperplasia of Prostate 600						
53) Complications of Pregnancy, Childbirth, and the Puerperium 630-676						
54) Congenital Anomalies 740-759	1		4			
55) Certain Conditions Originating in the Perinatal Period 760-779	3	2	6		3	1
56) Symptoms and Ill-Defined Conditions .. 780-799	5		2		3	1
57) All Other Diseases ..... Residual	28	5	19	2	16	2
58) Accidents E800-E949	11	3	20	8	7	3
59) Motor Vehicle Accidents E810-E825	7	2	13	6	1	1
60) Home Accidents ..... Home E850-E949	2	1			2	1
61) All Other Accidents ..... E800-E807, E826-E849, Other E850-E949	2		7	2	4	1
62) Suicide E950-E959	8		4		4	
63) Homicide and Legal Intervention E960-E978	2					1
64) Other External Causes E980-E999						

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 17
BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1990

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	PLANNING DISTRICT TOTAL			DISTRICT COUNTIES							
				Lancaster		Northumberland		Richmond		Westmoreland	
	Total	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES OF DEATH	638	484	154	147	30	124	39	83	29	130	56
1) Shigellosis and Amebiasis 004,006											
2) Certain Other Intestinal Infections .. 007-009	1		1								1
3) Tuberculosis, All Forms 010-018											
4) Whooping Cough 033											
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas 034-035											
6) Meningococcal Infection 036											
7) Septicemia 038	13	9	4	1	1	2	2	3	1	3	
8) Acute Poliomyelitis 045											
9) Measles 055											
10) Viral Hepatitis 070											
11) Syphilis 090-097											
12) Other Infectious & Parasitic Diseases ..... Residual of 001-139	5	3	2				1	2		1	1
13) Malignant Neoplasms 140-208	154	115	39	37	7	32	10	20	4	26	18
14) Lip, Oral Cavity, and Pharynx 140-149	1	1								1	
15) Digestive Organs and Peritoneum 150-159	25	16	9	7	1	4	5	2	1	3	2
16) Respiratory & Intrathoracic Organs . 160-165	49	42	7	11		11	2	9	1	11	4
17) Breast 174-175	13	9	4	2	1	2	1	3		2	2
18) Genital Organs 179-187	17	10	7	4	2	3	1	1	1	2	3
19) Urinary Organs 188-189	12	8	4	3		3	1	1		1	3
20) Other & Unspecified Sites .. 170-173,190-199	26	19	7	8	2	6		2	1	3	4
21) Leukemia 204-208	6	6		2		2				2	
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues 200-203	5	4	1		1	1		2		1	
23) Benign Neoplasms and Neoplasms of Unspecified Nature 210-239	1		1								1
24) Diabetes Mellitus 250	9	7	2	3		2	1	2	1		
25) Nutritional Deficiencies 260-269											
26) Anemias 280-285	2	1	1	1					1		
27) Meningitis 320-322											
28) Major Cardiovascular Diseases 390-448	294	230	64	70	15	47	18	38	12	75	19
29) Diseases of Heart 390-398,402,404-429	229	176	53	53	12	35	13	35	10	53	18
30) Rheumatic Fever and Rheumatic Heart Disease 390-398											
31) Hypertensive Heart Disease 402	7	5	2	1			1	1	1	3	
32) Hypertensive Heart & Renal Disease 404											
33) Ischemic Heart Disease 410-414	135	106	29	26	6	25	8	24	6	31	9
34) Acute Myocardial Infarction 410	75	54	21	12	3	14	5	15	6	13	7
35) Other Ischemic Heart Disease ... 411-414	60	52	8	14	3	11	3	9		18	2
36) Other Diseases of Endocardium 424	5	4	1	2	1			1		1	
37) All Other Forms of Heart Disease 415-423,425-429	82	61	21	24	5	10	4	9	3	18	9
38) Hypertension 401,403	3	3								3	
39) Cerebrovascular Diseases 430-438	47	40	7	13	3	10	3	3	1	14	
40) Atherosclerosis 440	6	4	2	1		1	1			2	1
41) Other Diseases of Arteries, Arterioles, and Capillaries 441-448	9	7	2	3		1	1		1	3	
42) Acute Bronchitis and Bronchiolitis ... 466											
43) Pneumonia and Influenza 480-487	25	22	3	10		7		2		3	3
44) Chronic Obstructive Pulmonary Diseases 490-496	21	17	4	3		8		5	2	1	2
45) Ulcer of Stomach and Duodenum 531-533	3	3		1						2	
46) Appendicitis 540-543											
47) Hernia & Intestinal Obstruction .. 550-553,560											
48) Chronic Liver Disease and Cirrhosis .. 571	5	4	1	1		2				1	1
49) Cholelithiasis and Other Disorders of Gall Bladder 574-575	1	1								1	
50) Nephritis, Nephrotic Syndrome, and Nephrosis 580-589	7	6	1	1	1	1		2		2	
51) Infections of Kidney 590											
52) Hyperplasia of Prostate 600											
53) Complications of Pregnancy, Childbirth, and the Puerperium 630-676											
54) Congenital Anomalies 740-759	2	1	1	1					1		
55) Certain Conditions Originating in the Perinatal Period 760-779	2	1	1		1					1	
56) Symptoms and Ill-Defined Conditions .. 780-799	7	4	3	2	1	2	1				1
57) All Other Diseases ..... Residual	48	39	9	11	1	14	3	7	2	7	3
58) Accidents E800-E949	22	13	9	4	2	3	1	2	3	4	3
59) Motor Vehicle Accidents E810-E825	8	3	5		1	1			1	2	3
60) Home Accidents ..... Home E850-E949	2	1	1	1			1				
61) All Other Accidents ..... E800-E807, E826-E849, Other E850-E949	12	9	3	3	1	2		2	2	2	
62) Suicide E950-E959	11	7	4	1	1	4			1	2	2
63) Homicide and Legal Intervention E960-E978	3		3				2				1
64) Other External Causes E980-E999	2	1	1						1	1	

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 18
BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1990

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	PLANNING DISTRICT TOTAL			DISTRICT COUNTIES					
				Essex		Gloucester		King & Queen	
	Total	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES OF DEATH	762	556	206	66	43	202	46	45	28
1) Shigellosis and Amebiasis 004,006									
2) Certain Other Intestinal Infections .. 007-009									
3) Tuberculosis, All Forms 010-018	1		1						1
4) Whooping Cough 033									
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas 034-035									
6) Meningococcal Infection 036									
7) Septicemia 038	10	8	2			5	2	1	
8) Acute Poliomyelitis 045									
9) Measles 055									
10) Viral Hepatitis 070									
11) Syphilis 090-097	2		2						1
12) Other Infectious & Parasitic Diseases ..... Residual of 001-139	1		1		1				
13) Malignant Neoplasms 140-208	184	124	60	14	11	49	12	5	7
14) Lip, Oral Cavity, and Pharynx 140-149	4	4		1				1	
15) Digestive Organs and Peritoneum 150-159	29	17	12	1	2	10	2		3
16) Respiratory & Intrathoracic Organs . 160-165	60	41	19	8	5	13	5	1	2
17) Breast 174-175	13	8	5		1	5			
18) Genital Organs 179-187	26	15	11	2	3	7	2		1
19) Urinary Organs 188-189	8	6	2			3	1		1
20) Other & Unspecified Sites .. 170-173,190-199	27	18	9	2		6	2	1	
21) Leukemia 204-208	9	8	1			4		1	
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues 200-203	8	7	1			1		1	
23) Benign Neoplasms and Neoplasms of Unspecified Nature 210-239									
24) Diabetes Mellitus 250	14	9	5		3	3		1	2
25) Nutritional Deficiencies 260-269	1	1						1	
26) Anemias 280-285	1	1		1					
27) Meningitis 320-322	2	2							
28) Major Cardiovascular Diseases 390-448	323	240	83	33	12	91	20	16	9
29) Diseases of Heart 390-398,402,404-429	259	192	67	30	10	74	18	12	7
30) Rheumatic Fever and Rheumatic Heart Disease 390-398	2	1	1			1			1
31) Hypertensive Heart Disease 402	11	7	4	4			1		2
32) Hypertensive Heart & Renal Disease 404	2		2		1				1
33) Ischemic Heart Disease 410-414	153	115	38	16	7	46	9	9	2
34) Acute Myocardial Infarction 410	70	57	13	6	2	27	4	7	1
35) Other Ischemic Heart Disease ... 411-414	83	58	25	10	5	19	5	2	1
36) Other Diseases of Endocardium 424	5	5		1		2			
37) All Other Forms of Heart Disease 415-423,425-429	86	64	22	9	2	25	8	3	1
38) Hypertension 401,403	1	1							
39) Cerebrovascular Diseases 430-438	45	32	13	3	1	12	2	4	2
40) Atherosclerosis 440	4	3	1			2			
41) Other Diseases of Arteries, Arterioles, and Capillaries 441-448	14	12	2		1	3			
42) Acute Bronchitis and Bronchiolitis ... 466	2	2		1				1	
43) Pneumonia and Influenza 480-487	42	37	5		3	16	1	2	
44) Chronic Obstructive Pulmonary Diseases 490-496	21	17	4	2	1	4		1	2
45) Ulcer of Stomach and Duodenum 531-533	3		3						
46) Appendicitis 540-543									
47) Hernia & Intestinal Obstruction .. 550-553,560	2	1	1	1					
48) Chronic Liver Disease and Cirrhosis .. 571	6	5	1	2		1	1	2	
49) Cholelithiasis and Other Disorders of Gall Bladder 574-575									
50) Nephritis, Nephrotic Syndrome, and Nephrosis 580-589	6	6		1		1		2	
51) Infections of Kidney 590									
52) Hyperplasia of Prostate 600									
53) Complications of Pregnancy, Childbirth, and the Puerperium 630-676									
54) Congenital Anomalies 740-759	5	3	2	1	1	1			1
55) Certain Conditions Originating in the Perinatal Period 760-779	5	4	1		1	3			
56) Symptoms and Ill-Defined Conditions .. 780-799	8	8				2		1	
57) All Other Diseases ..... Residual	67	50	17	4	6	18	3	5	2
58) Accidents E800-E949	41	24	17	4	3	6	7	4	3
59) Motor Vehicle Accidents E810-E825	19	10	9	2	2	3	1	2	2
60) Home Accidents ..... Home E850-E949	9	2	7		1		5		1
61) All Other Accidents ..... E800-E807, E826-E849, Other E850-E949	13	12	1	2		3	1	2	
62) Suicide E950-E959	9	9		2		1		2	
63) Homicide and Legal Intervention E960-E978	6	5	1		1	1		1	
64) Other External Causes E980-E999									

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 18
BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1990

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	DISTRICT COUNTIES					
	King William		Mathews		Middlesex	
	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES OF DEATH	55	48	100	23	88	18
1) Shigellosis and Amebiasis 004,006						
2) Certain Other Intestinal Infections .. 007-009						
3) Tuberculosis, All Forms 010-018						
4) Whooping Cough 033						
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas 034-035						
6) Meningococcal Infection 036						
7) Septicemia 038	1				1	
8) Acute Poliomyelitis 045						
9) Measles 055						
10) Viral Hepatitis 070						
11) Syphilis 090-097		1				
12) Other Infectious & Parasitic Diseases ..... Residual of 001-139						
13) Malignant Neoplasms 140-208	12	19	21	7	23	4
14) Lip, Oral Cavity, and Pharynx 140-149					2	
15) Digestive Organs and Peritoneum 150-159	2	4	3	1	1	
16) Respiratory & Intrathoracic Organs . 160-165	4	3	6	3	9	1
17) Breast 174-175	1	3			2	1
18) Genital Organs 179-187		4	3	1	3	
19) Urinary Organs 188-189	1		2			
20) Other & Unspecified Sites .. 170-173,190-199	2	3	4	2	3	2
21) Leukemia 204-208	1	1	2			
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues 200-203	1	1	1		3	
23) Benign Neoplasms and Neoplasms of Unspecified Nature 210-239						
24) Diabetes Mellitus 250	1		2		2	
25) Nutritional Deficiencies 260-269						
26) Anemias 280-285						
27) Meningitis 320-322					2	
28) Major Cardiovascular Diseases 390-448	22	23	44	9	34	10
29) Diseases of Heart 390-398,402,404-429	16	15	34	8	26	9
30) Rheumatic Fever and Rheumatic Heart Disease 390-398						
31) Hypertensive Heart Disease 402	1		1		1	1
32) Hypertensive Heart & Renal Disease 404						
33) Ischemic Heart Disease 410-414	11	11	13	4	20	5
34) Acute Myocardial Infarction 410	6	3	3		8	3
35) Other Ischemic Heart Disease ... 411-414	5	8	10	4	12	2
36) Other Diseases of Endocardium 424	1				1	
37) All Other Forms of Heart Disease 415-423,425-429	3	4	20	4	4	3
38) Hypertension 401,403			1			
39) Cerebrovascular Diseases 430-438	4	7	5	1	4	
40) Atherosclerosis 440			1			1
41) Other Diseases of Arteries, Arterioles, and Capillaries 441-448	2	1	3		4	
42) Acute Bronchitis and Bronchiolitis ... 466						
43) Pneumonia and Influenza 480-487	3		10		6	1
44) Chronic Obstructive Pulmonary Diseases 490-496	1	1	4		5	
45) Ulcer of Stomach and Duodenum 531-533				1		2
46) Appendicitis 540-543						
47) Hernia & Intestinal Obstruction .. 550-553,560						1
48) Chronic Liver Disease and Cirrhosis .. 571						
49) Cholelithiasis and Other Disorders of Gall Bladder 574-575						
50) Nephritis, Nephrotic Syndrome, and Nephrosis 580-589	1		1			
51) Infections of Kidney 590						
52) Hyperplasia of Prostate 600						
53) Complications of Pregnancy, Childbirth, and the Puerperium 630-676						
54) Congenital Anomalies 740-759			1			
55) Certain Conditions Originating in the Perinatal Period 760-779						
56) Symptoms and Ill-Defined Conditions .. 780-799	2		1		1	
57) All Other Diseases ..... Residual	8	1	12	5	2	
58) Accidents E800-E949	3	3	2	1	3	
59) Motor Vehicle Accidents E810-E825		3	1	1	2	
60) Home Accidents ..... Home E850-E949					2	
61) All Other Accidents ..... E800-E807, E826-E849, Other E850-E949	3		1		1	
62) Suicide E950-E959	1		1		2	
63) Homicide and Legal Intervention E960-E978			1		2	
64) Other External Causes E980-E999						

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 19
BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1990

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	PLANNING DISTRICT TOTAL			DISTRICT COUNTIES AND CITIES							
				Dinwiddie		Greensville		Prince George		Surry	
	Total	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES OF DEATH	1,574	924	650	103	75	34	46	80	35	20	31
1) Shigellosis and Amebiasis 004,006											
2) Certain Other Intestinal Infections .. 007-009											
3) Tuberculosis, All Forms 010-018	2	1	1								
4) Whooping Cough 033											
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas 034-035											
6) Meningococcal Infection 036											
7) Septicemia 038	23	11	12	1	2	1	1	1			1
8) Acute Poliomyelitis 045											
9) Measles 055											
10) Viral Hepatitis 070											
11) Syphilis 090-097											
12) Other Infectious & Parasitic Diseases ..... Residual of 001-139	13	4	9		1		1	1			
13) Malignant Neoplasms 140-208	378	216	162	21	15	6	14	20	8	5	8
14) Lip, Oral Cavity, and Pharynx 140-149	8	4	4	1	1		1				
15) Digestive Organs and Peritoneum 150-159	91	50	41	7	3	3	4	5	3	4	3
16) Respiratory & Intrathoracic Organs . 160-165	123	78	45	6	4	2	3	6	4	1	1
17) Breast 174-175	38	21	17	1	1		1	3			2
18) Genital Organs 179-187	35	14	21	2	2		4	1			
19) Urinary Organs 188-189	11	7	4					1			1
20) Other & Unspecified Sites .. 170-173,190-199	38	22	16	2	2	1	1	2			1
21) Leukemia 204-208	11	10	1								
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues 200-203	23	10	13	2	2			2	1		
23) Benign Neoplasms and Neoplasms of Unspecified Nature 210-239	6	3	3				1		1		
24) Diabetes Mellitus 250	45	15	30	1	3	3	2				3
25) Nutritional Deficiencies 260-269	3		3		1						
26) Anemias 280-285	4	1	3								
27) Meningitis 320-322											
28) Major Cardiovascular Diseases 390-448	668	418	248	51	28	14	21	34	12	8	9
29) Diseases of Heart 390-398,402,404-429	510	319	191	39	20	12	16	26	12	6	7
30) Rheumatic Fever and Rheumatic Heart Disease 390-398	2	2				1					
31) Hypertensive Heart Disease 402	10	3	7		1		1		1		
32) Hypertensive Heart & Renal Disease 404	4	3	1			1					
33) Ischemic Heart Disease 410-414	303	198	105	21	11	7	10	21	5	5	4
34) Acute Myocardial Infarction 410	161	102	59	10	4	5	7	12	3	4	3
35) Other Ischemic Heart Disease ... 411-414	142	96	46	11	7	2	3	9	2	1	1
36) Other Diseases of Endocardium 424	15	9	6	2	1	1	1				1
37) All Other Forms of Heart Disease 415-423,425-429	176	104	72	16	7	2	4	5	6	1	2
38) Hypertension 401,403	5	1	4								
39) Cerebrovascular Diseases 430-438	113	72	41	12	7	1	3	6		1	2
40) Atherosclerosis 440	17	9	8		1	1	2	1			
41) Other Diseases of Arteries, Arterioles, and Capillaries 441-448	21	17	4					1		1	
42) Acute Bronchitis and Bronchiolitis ... 466											
43) Pneumonia and Influenza 480-487	41	28	13		3		1	1	2		1
44) Chronic Obstructive Pulmonary Diseases 490-496	45	35	10	2	3	2		2	2	3	1
45) Ulcer of Stomach and Duodenum 531-533	1	1									
46) Appendicitis 540-543											
47) Hernia & Intestinal Obstruction .. 550-553,560	6	4	2	1	1						
48) Chronic Liver Disease and Cirrhosis .. 571	11	6	5		1						
49) Cholelithiasis and Other Disorders of Gall Bladder 574-575	1	1						1			
50) Nephritis, Nephrotic Syndrome, and Nephrosis 580-589	21	9	12		2		1				1
51) Infections of Kidney 590											
52) Hyperplasia of Prostate 600											
53) Complications of Pregnancy, Childbirth, and the Puerperium 630-676	1		1								
54) Congenital Anomalies 740-759	4	2	2	1							
55) Certain Conditions Originating in the Perinatal Period 760-779	25	2	23					1	2		
56) Symptoms and Ill-Defined Conditions .. 780-799	14	9	5		1	1		1			
57) All Other Diseases ..... Residual	129	80	49	7	6	3	2	4	2	2	3
58) Accidents E800-E949	82	48	34	13	3	1	2	11	3		4
59) Motor Vehicle Accidents E810-E825	35	20	15	8	1		2	5	1		3
60) Home Accidents ..... Home E850-E949	16	8	8	3	1			1	1		1
61) All Other Accidents ..... E800-E807, E826-E849, Other E850-E949	31	20	11	2	1	1		5	1		
62) Suicide E950-E959	30	22	8	3	1	3		1	2	2	
63) Homicide and Legal Intervention E960-E978	22	7	15	2	4			2	1		
64) Other External Causes E980-E999	1	1									

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 19 BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1990

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	DISTRICT COUNTIES AND CITIES									
	Sussex		Colonial Heights		Emporia		Hopewell		Petersburg	
	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES OF DEATH	57	83	174	7	48	34	184	54	224	285
1) Shigellosis and Amebiasis 004,006										
2) Certain Other Intestinal Infections .. 007-009										
3) Tuberculosis, All Forms 010-018			1							
4) Whooping Cough 033										1
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas 034-035										
6) Meningococcal Infection 036										
7) Septicemia 038										
8) Acute Poliomyelitis 045					1	1	4	2	3	5
9) Measles 055										
10) Viral Hepatitis 070										
11) Syphilis 090-097										
12) Other Infectious & Parasitic Diseases ..... Residual of 001-139		1	1					1	2	5
13) Malignant Neoplasms 140-208	16	23	48		9	7	37	14	54	73
14) Lip, Oral Cavity, and Pharynx 140-149		1	1		1				1	1
15) Digestive Organs and Peritoneum 150-159	4	4	9		1		2	4	15	20
16) Respiratory & Intrathoracic Organs . 160-165	3	8	20		4	3	17	3	19	19
17) Breast 174-175	4	2	5				5	1	3	10
18) Genital Organs 179-187	2	4	3				1	2	5	9
19) Urinary Organs 188-189		1	1				4		1	2
20) Other & Unspecified Sites .. 170-173,190-199	2	1	2		1	2	5	1	7	8
21) Leukemia 204-208		1	4		1		3		2	
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues 200-203	1	1	3		1	2		3	1	4
23) Benign Neoplasms and Neoplasms of Unspecified Nature 210-239			1				1		1	1
24) Diabetes Mellitus 250	2	5	3	1		2	4	2	2	12
25) Nutritional Deficiencies 260-269										2
26) Anemias 280-285				1	1	1		1		
27) Meningitis 320-322										
28) Major Cardiovascular Diseases 390-448	23	36	78	3	22	12	86	21	102	106
29) Diseases of Heart 390-398,402,404-429	15	31	66	3	16	7	64	16	75	79
30) Rheumatic Fever and Rheumatic Heart Disease 390-398										
31) Hypertensive Heart Disease 402		2	1		1		1			
32) Hypertensive Heart & Renal Disease 404		1			1		1		1	2
33) Ischemic Heart Disease 410-414	7	21	40		9	3	43	12	45	39
34) Acute Myocardial Infarction 410	4	14	19		7	3	25	8	16	17
35) Other Ischemic Heart Disease ... 411-414	3	7	21		2		18	4	29	22
36) Other Diseases of Endocardium 424		1	2		1	1			3	1
37) All Other Forms of Heart Disease 415-423,425-429	8	6	23	3	4	3	19	4	26	37
38) Hypertension 401,403		1	1							3
39) Cerebrovascular Diseases 430-438	5	2	9		2	3	17	3	19	21
40) Atherosclerosis 440	1	2			3	2	2		1	1
41) Other Diseases of Arteries, Arterioles, and Capillaries 441-448	2		2		1		3	2	7	2
42) Acute Bronchitis and Bronchiolitis ... 466										
43) Pneumonia and Influenza 480-487	1	1	7		1	1	11		7	4
44) Chronic Obstructive Pulmonary Diseases 490-496			8		2	1	6		10	3
45) Ulcer of Stomach and Duodenum 531-533									1	
46) Appendicitis 540-543										
47) Hernia & Intestinal Obstruction .. 550-553,560					1		1		1	1
48) Chronic Liver Disease and Cirrhosis .. 571	1			1			3	2	2	1
49) Cholelithiasis and Other Disorders of Gall Bladder 574-575										
50) Nephritis, Nephrotic Syndrome, and Nephrosis 580-589		2	3				2		4	6
51) Infections of Kidney 590										
52) Hyperplasia of Prostate 600										
53) Complications of Pregnancy, Childbirth, and the Puerperium 630-676						1				
54) Congenital Anomalies 740-759		1					1	1		
55) Certain Conditions Originating in the Perinatal Period 760-779		2				5		3	1	11
56) Symptoms and Ill-Defined Conditions .. 780-799	1	1	1		2	1	2	1	1	1
57) All Other Diseases ..... Residual	8	2	12		7		13	3	24	31
58) Accidents E800-E949	4	6	5			1	8	2	6	13
59) Motor Vehicle Accidents E810-E825	2	3	2				1	1	2	4
60) Home Accidents ..... Home E850-E949		1	1				3	1		3
61) All Other Accidents ..... E800-E807, E826-E849, Other E850-E949	2	2	2			1	4		4	6
62) Suicide E950-E959	1	2	5		1		5		1	3
63) Homicide and Legal Intervention E960-E978		1	1	1	1	1		1	1	6
64) Other External Causes E980-E999									1	

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 20
BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1990

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION		PLANNING DISTRICT TOTAL			DISTRICT COUNTIES AND CITIES							
					Isle of Wight		Southampton		Chesapeake		Franklin City	
		Total	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES OF DEATH		7,293	4,692	2,601	136	96	81	85	766	306	47	66
1) Shigellosis and Amebiasis	004,006											
2) Certain Other Intestinal Infections	007-009											
3) Tuberculosis, All Forms	010-018	3		3		1						
4) Whooping Cough	033											
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas	034-035											
6) Meningococcal Infection	036	2	1	1						1		
7) Septicemia	038	108	55	53	1	3	1	3	5	6	1	
8) Acute Poliomyelitis	045											
9) Measles	055											
10) Viral Hepatitis	070	2	1	1								
11) Syphilis	090-097	1		1		1						
12) Other Infectious & Parasitic Diseases Residual of	001-139	113	60	53				1	7	7	1	
13) Malignant Neoplasms	140-208	1,769	1,175	594	32	23	13	20	197	69	13	15
14) Lip, Oral Cavity, and Pharynx	140-149	31	21	10			1	1	1			1
15) Digestive Organs and Peritoneum	150-159	408	246	162	4	7	5	4	38	18	2	2
16) Respiratory & Intrathoracic Organs	160-165	564	400	164	12	9	4	5	79	18	2	4
17) Breast	174-175	134	92	42	1	1		2	14	5	2	1
18) Genital Organs	179-187	177	100	77	5	3		3	20	8	1	3
19) Urinary Organs	188-189	68	49	19		1	1		8	2		1
20) Other & Unspecified Sites	170-173,190-199	246	168	78	7	1		3	26	11	5	3
21) Leukemia	204-208	56	45	11	2		1		4	3	1	
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues	200-203	85	54	31	1	1	1	2	7	4		
23) Benign Neoplasms and Neoplasms of Unspecified Nature	210-239	18	6	12				2	2			1
24) Diabetes Mellitus	250	167	70	97	4	2	2	4	12	11	1	3
25) Nutritional Deficiencies	260-269	19	14	5					2			
26) Anemias	280-285	14	5	9					1			
27) Meningitis	320-322	2	1	1								
28) Major Cardiovascular Diseases	390-448	2,959	1,950	1,009	57	32	46	37	318	123	18	32
29) Diseases of Heart	390-398,402,404-429	2,315	1,548	767	45	24	35	25	257	93	15	27
30) Rheumatic Fever and Rheumatic Heart Disease	390-398	12	8	4	1				1			
31) Hypertensive Heart Disease	402	77	31	46	3	1	5	5	5	7	1	1
32) Hypertensive Heart & Renal Disease	404	10	2	8						1		
33) Ischemic Heart Disease	410-414	1,368	958	410	24	13	20	12	180	50	11	15
34) Acute Myocardial Infarction	410	601	413	188	14	4	13	9	72	15	6	11
35) Other Ischemic Heart Disease	411-414	767	545	222	10	9	7	3	108	35	5	4
36) Other Diseases of Endocardium	424	27	21	6					6	2		
37) All Other Forms of Heart Disease	415-423,425-429	821	528	293	17	10	10	8	65	33	3	11
38) Hypertension	401,403	35	18	17			1	1	1	2		
39) Cerebrovascular Diseases	430-438	497	293	204	9	8	6	11	47	22	3	5
40) Atherosclerosis	440	36	29	7	1		2		3	4		
41) Other Diseases of Arteries, Arterioles, and Capillaries	441-448	76	62	14	2		2		10	2		
42) Acute Bronchitis and Bronchiolitis	466	2	2									
43) Pneumonia and Influenza	480-487	220	143	77	3	5	3	3	31	12		1
44) Chronic Obstructive Pulmonary Diseases	490-496	264	218	46	5	5	5	1	36	2	5	
45) Ulcer of Stomach and Duodenum	531-533	12	7	5		1						
46) Appendicitis	540-543	1	1									
47) Hernia & Intestinal Obstruction	550-553,560	24	9	15							1	
48) Chronic Liver Disease and Cirrhosis	571	76	47	29	1	1			6	2		1
49) Cholelithiasis and Other Disorders of Gall Bladder	574-575	6	5	1				1	2			
50) Nephritis, Nephrotic Syndrome, and Nephrosis	580-589	69	36	33	2	1	1	3	5	5		2
51) Infections of Kidney	590	3	2	1								1
52) Hyperplasia of Prostate	600	1		1								
53) Complications of Pregnancy, Childbirth, and the Puerperium	630-676											
54) Congenital Anomalies	740-759	59	37	22		2		1	5	1	1	
55) Certain Conditions Originating in the Perinatal Period	760-779	156	57	99		3		1	7	8		2
56) Symptoms and Ill-Defined Conditions	780-799	83	54	29	1	2			9	4	1	
57) All Other Diseases	Residual	606	405	201	11	5	7	2	62	27	5	5
58) Accidents	E800-E949	283	186	97	13	8	2	4	40	17		1
59) Motor Vehicle Accidents	E810-E825	126	89	37	11	5	2	2	21	6		2
60) Home Accidents	E850-E949	66	39	27	-	1			4	6		
61) All Other Accidents	E800-E807, E826-E849, Other E850-E949	91	58	33	2	2		2	15	5		1
62) Suicide	E950-E959	126	109	17	4	1	1		14	2		
63) Homicide and Legal Intervention	E960-E978	119	33	86	2			1	3	8		
64) Other External Causes	E980-E999	6	3	3				1	2	1		

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 20
BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1990

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	DISTRICT COUNTIES AND CITIES							
	Norfolk		Portsmouth		Suffolk		Virginia Beach	
	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES OF DEATH	1,295	989	568	520	266	278	1,533	261
1) Shigellosis and Amebiasis 004,006								
2) Certain Other Intestinal Infections .. 007-009								
3) Tuberculosis, All Forms 010-018						1		1
4) Whooping Cough 033								
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas 034-035								
6) Meningococcal Infection 036							1	
7) Septicemia 038	16	19	13	13	1	4	17	5
8) Acute Poliomyelitis 045								
9) Measles 055								
10) Viral Hepatitis 070	1					1		
11) Syphilis 090-097								
12) Other Infectious & Parasitic Diseases ..... Residual of 001-139	25	25	4	11	1	5	22	4
13) Malignant Neoplasms 140-208	320	214	161	118	53	68	386	67
14) Lip, Oral Cavity, and Pharynx 140-149	6	4	5	1	1	1	7	2
15) Digestive Organs and Peritoneum 150-159	75	59	32	36	6	18	84	18
16) Respiratory & Intrathoracic Organs . 160-165	107	62	48	28	16	16	132	22
17) Breast 174-175	32	21	11	3	5	5	27	4
18) Genital Organs 179-187	22	19	13	18	7	15	32	8
19) Urinary Organs 188-189	16	8	7	5	2	2	15	
20) Other & Unspecified Sites .. 170-173,190-199	42	21	25	20	6	9	57	10
21) Leukemia 204-208	9	3	7	3	3	1	18	1
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues 200-203	11	17	13	4	7	1	14	2
23) Benign Neoplasms and Neoplasms of Unspecified Nature 210-239	1	5		3			3	1
24) Diabetes Mellitus 250	17	37	7	16	11	13	16	11
25) Nutritional Deficiencies 260-269	5	1		1	2	2	5	1
26) Anemias 280-285	1	2	1	6	1		1	1
27) Meningitis 320-322					1			1
28) Major Cardiovascular Diseases 390-448	564	376	228	216	109	103	610	90
29) Diseases of Heart 390-398,402,404-429	468	297	176	150	87	80	465	61
30) Rheumatic Fever and Rheumatic Heart Disease 390-398	3	2	1	2			2	
31) Hypertensive Heart Disease 402	8	17	3	6	2	6	4	3
32) Hypertensive Heart & Renal Disease 404		3		2			2	2
33) Ischemic Heart Disease 410-414	292	145	117	86	37	46	277	33
34) Acute Myocardial Infarction 410	138	62	50	48	19	22	101	17
35) Other Ischemic Heart Disease ... 411-414	154	83	67	48	18	24	176	16
36) Other Diseases of Endocardium 424	5	1		1	2	2	8	
37) All Other Forms of Heart Disease 415-423,425-429	160	129	55	53	46	26	172	23
38) Hypertension 401,403	8	7	1	5	1	1	6	1
39) Cerebrovascular Diseases 430-438	67	65	39	47	15	20	107	26
40) Atherosclerosis 440	6	2	2		3		12	1
41) Other Diseases of Arteries, Arterioles, and Capillaries 441-448	15	5	10	4	3	2	20	1
42) Acute Bronchitis and Bronchiolitis ... 466	1						1	
43) Pneumonia and Influenza 480-487	32	25	13	20	10	8	51	3
44) Chronic Obstructive Pulmonary Diseases 490-496	58	20	28	7	7	6	74	5
45) Ulcer of Stomach and Duodenum 531-533	3	2		1			4	1
46) Appendicitis 540-543							1	
47) Hernia & Intestinal Obstruction .. 550-553,560	2	9		1	2	4	4	1
48) Chronic Liver Disease and Cirrhosis .. 571	12	13	10	5	3	4	15	3
49) Cholelithiasis and Other Disorders of Gall Bladder 574-575							3	
50) Nephritis, Nephrotic Syndrome, and Nephrosis 580-589	8	10	7	6	1	4	12	2
51) Infections of Kidney 590	1						1	
52) Hyperplasia of Prostate 600		1						
53) Complications of Pregnancy, Childbirth, and the Puerperium 630-676								
54) Congenital Anomalies 740-759	7	12	4	4	3		17	2
55) Certain Conditions Originating in the Perinatal Period 760-779	17	44	9	17	3	8	21	16
56) Symptoms and Ill-Defined Conditions .. 780-799	12	13	13	8	7	1	11	1
57) All Other Diseases ..... Residual	117	86	43	38	28	21	132	17
58) Accidents E800-E949	44	25	9	14	13	11	65	15
59) Motor Vehicle Accidents E810-E825	16	6	3	4	4	3	32	9
60) Home Accidents ..... Home E850-E949	12	8	2	4	4	6	17	2
61) All Other Accidents ..... E800-E807, E826-E849, Other E850-E949	16	11	4	6	5	2	16	4
62) Suicide E950-E959	20	6	12	4	8	2	50	2
63) Homicide and Legal Intervention E960-E978	11	44	6	10	2	12	9	11
64) Other External Causes E980-E999				1			1	

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 21
BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1990

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	PLANNING DISTRICT TOTAL			DISTRICT COUNTIES AND CITIES					
				James City		York		Hampton	
	Total	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES OF DEATH	2,890	1,898	992	155	48	186	49	604	379
1) Shigellosis and Amebiasis 004,006									
2) Certain Other Intestinal Infections .. 007-009	1	1							
3) Tuberculosis, All Forms 010-018	4	2	2					1	
4) Whooping Cough 033									
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas 034-035									
6) Meningococcal Infection 036									
7) Septicemia 038	45	25	20			3	1	4	8
8) Acute Poliomyelitis 045									
9) Measles 055									
10) Viral Hepatitis 070	4	3	1					1	1
11) Syphilis 090-097	1		1						1
12) Other Infectious & Parasitic Diseases ..... Residual of 001-139	40	15	25	1	1	1		8	10
13) Malignant Neoplasms 140-208	718	470	248	38	16	44	8	156	99
14) Lip, Oral Cavity, and Pharynx 140-149	10	8	2	1				2	
15) Digestive Organs and Peritoneum 150-159	181	102	79	7	6	13	2	28	36
16) Respiratory & Intrathoracic Organs . 160-165	214	155	59	15	5	12	2	59	24
17) Breast 174-175	69	47	22			5	1	18	9
18) Genital Organs 179-187	65	38	27	5	3	4		11	9
19) Urinary Organs 188-189	23	16	7	3	1	1		6	4
20) Other & Unspecified Sites .. 170-173,190-199	96	63	33	4		5	2	23	13
21) Leukemia 204-208	20	11	9	1	1	1			2
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues 200-203	40	30	10	2		3	1	9	2
23) Benign Neoplasms and Neoplasms of Unspecified Nature 210-239	8	5	3				1	1	2
24) Diabetes Mellitus 250	63	38	25	2		3	2	15	10
25) Nutritional Deficiencies 260-269	7	3	4					1	2
26) Anemias 280-285	6	4	2			1			
27) Meningitis 320-322	2	1	1						
28) Major Cardiovascular Diseases 390-448	1,174	803	371	66	17	82	25	241	152
29) Diseases of Heart 390-398,402,404-429	930	639	291	48	13	64	20	190	114
30) Rheumatic Fever and Rheumatic Heart Disease 390-398	6	6		2		1		2	
31) Hypertensive Heart Disease 402	24	10	14				3	3	4
32) Hypertensive Heart & Renal Disease 404	1	1				1			
33) Ischemic Heart Disease 410-414	597	413	184	34	8	46	11	122	69
34) Acute Myocardial Infarction 410	278	184	94	17	6	19	2	66	39
35) Other Ischemic Heart Disease ... 411-414	319	229	90	17	2	27	9	56	30
36) Other Diseases of Endocardium 424	14	10	4	1		3		3	2
37) All Other Forms of Heart Disease 415-423,425-429	288	199	89	11	5	13	6	60	39
38) Hypertension 401,403	6	4	2			2		1	1
39) Cerebrovascular Diseases 430-438	184	119	65	15	4	12	5	32	27
40) Atherosclerosis 440	25	17	8	1		1		6	5
41) Other Diseases of Arteries, Arterioles, and Capillaries 441-448	29	24	5	2		3		12	5
42) Acute Bronchitis and Bronchiolitis ... 466	1	1		1					
43) Pneumonia and Influenza 480-487	103	72	31	5	1	8		26	12
44) Chronic Obstructive Pulmonary Diseases 490-496	105	84	21	5	1	5		35	8
45) Ulcer of Stomach and Duodenum 531-533	2	1	1					1	1
46) Appendicitis 540-543	1		1						
47) Hernia & Intestinal Obstruction .. 550-553,560	10	7	3			2			1
48) Chronic Liver Disease and Cirrhosis .. 571	26	13	13	1		2	2	3	5
49) Cholelithiasis and Other Disorders of Gall Bladder 574-575									
50) Nephritis, Nephrotic Syndrome, and Nephrosis 580-589	32	15	17	1	2	1		5	4
51) Infections of Kidney 590	2	2							
52) Hyperplasia of Prostate 600	1	1							
53) Complications of Pregnancy, Childbirth, and the Puerperium 630-676									
54) Congenital Anomalies 740-759	25	16	9	1		4		5	3
55) Certain Conditions Originating in the Perinatal Period 760-779	46	24	22	2		3		5	6
56) Symptoms and Ill-Defined Conditions .. 780-799	23	11	12	2	2	3	1	2	3
57) All Other Diseases ..... Residual	235	153	82	17	2	9	4	49	28
58) Accidents E800-E949	105	69	36	8	5	8	3	20	9
59) Motor Vehicle Accidents E810-E825	44	30	14	4	3	4	1	7	1
60) Home Accidents ..... Home E850-E949	16	11	5	1		1	2	7	2
61) All Other Accidents ..... E800-E807, E826-E849, Other E850-E949	45	28	17	3	2	3		6	6
62) Suicide E950-E959	49	39	10	1		5	1	18	5
63) Homicide and Legal Intervention E960-E978	50	19	31	4	1	2	1	6	9
64) Other External Causes E980-E999	1	1						1	

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 21
BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1990

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION		DISTRICT COUNTIES AND CITIES					
		Newport News		Poquoson		Williamsburg	
		White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES OF DEATH		791	496	75		87	20
1) Shigellosis and Amebiasis	004,006						
2) Certain Other Intestinal Infections	007-009	1					
3) Tuberculosis, All Forms	010-018		2	1			
4) Whooping Cough	033						
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas	034-035						
6) Meningococcal Infection	036						
7) Septicemia	038	15	11	1		2	
8) Acute Poliomyelitis	045						
9) Measles	055						
10) Viral Hepatitis	070	1		1			
11) Syphilis	090-097						
12) Other Infectious & Parasitic Diseases	Residual of 001-139	5	12				2
13) Malignant Neoplasms	140-208	194	118	20		18	7
14) Lip, Oral Cavity, and Pharynx	140-149	5	1				1
15) Digestive Organs and Peritoneum	150-159	48	34	4		2	1
16) Respiratory & Intrathoracic Organs	160-165	58	27	6		5	1
17) Breast	174-175	19	11	2		3	1
18) Genital Organs	179-187	14	15	3		1	
19) Urinary Organs	188-189	3	2	1		2	
20) Other & Unspecified Sites	170-173,190-199	25	15	2		4	3
21) Leukemia	204-208	6	6	2		1	
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues	200-203	16	7				
23) Benign Neoplasms and Neoplasms of Unspecified Nature	210-239	3				1	
24) Diabetes Mellitus	250	15	13	1		2	
25) Nutritional Deficiencies	260-269	2	2				
26) Anemias	280-285	3	2				
27) Meningitis	320-322	1	1				
28) Major Cardiovascular Diseases	390-448	335	172	33		46	5
29) Diseases of Heart	390-398,402,404-429	279	140	23		35	4
30) Rheumatic Fever and Rheumatic Heart Disease	390-398					1	
31) Hypertensive Heart Disease	402	7	7				
32) Hypertensive Heart & Renal Disease	404						
33) Ischemic Heart Disease	410-414	172	94	17		22	2
34) Acute Myocardial Infarction	410	59	46	9		14	1
35) Other Ischemic Heart Disease	411-414	113	48	8		8	1
36) Other Diseases of Endocardium	424	3	2				
37) All Other Forms of Heart Disease	415-423,425-429	97	37	6		12	2
38) Hypertension	401,403	1	1				
39) Cerebrovascular Diseases	430-438	43	28	7		10	1
40) Atherosclerosis	440	7	3	1		1	
41) Other Diseases of Arteries, Arterioles, and Capillaries	441-448	5		2			
42) Acute Bronchitis and Bronchiolitis	466						
43) Pneumonia and Influenza	480-487	30	17			3	1
44) Chronic Obstructive Pulmonary Diseases	490-496	35	12	4			
45) Ulcer of Stomach and Duodenum	531-533						
46) Appendicitis	540-543		1				
47) Hernia & Intestinal Obstruction	550-553,560	4	2	1			
48) Chronic Liver Disease and Cirrhosis	571	6	6	1			
49) Cholelithiasis and Other Disorders of Gall Bladder	574-575						
50) Nephritis, Nephrotic Syndrome, and Nephrosis	580-589	7	11	1			
51) Infections of Kidney	590	2					
52) Hyperplasia of Prostate	600	1					
53) Complications of Pregnancy, Childbirth, and the Puerperium	630-676						
54) Congenital Anomalies	740-759	4	6			2	
55) Certain Conditions Originating in the Perinatal Period	760-779	14	16				
56) Symptoms and Ill-Defined Conditions	780-799	3	4			1	2
57) All Other Diseases	Residual	63	47	10		5	1
58) Accidents	E800-E949	29	18			4	1
59) Motor Vehicle Accidents	E810-E825	12	9			3	
60) Home Accidents	Home E850-E949	2	1				
61) All Other Accidents	E800-E807, E826-E849, Other E850-E949	15	8			1	1
62) Suicide	E950-E959	11	4	1		3	
63) Homicide and Legal Intervention	E960-E978	7	19				1
64) Other External Causes	E980-E999						

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 22
BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1990

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	PLANNING DISTRICT TOTAL			DISTRICT COUNTIES			
				Accomack		Northampton	
	Total	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES OF DEATH	543	332	211	220	125	112	86
1) Shigellosis and Amebiasis 004,006							
2) Certain Other Intestinal Infections .. 007-009							
3) Tuberculosis, All Forms 010-018							
4) Whooping Cough 033							
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas 034-035							
6) Meningococcal Infection 036							
7) Septicemia 038	11	4	7	1	3	3	4
8) Acute Poliomyelitis 045							
9) Measles 055							
10) Viral Hepatitis 070							
11) Syphilis 090-097							
12) Other Infectious & Parasitic Diseases ..... Residual of 001-139	4	2	2		2	2	
13) Malignant Neoplasms 140-208	140	97	43	63	25	34	18
14) Lip, Oral Cavity, and Pharynx 140-149	1	1		1			
15) Digestive Organs and Peritoneum 150-159	34	23	11	15	6	8	5
16) Respiratory & Intrathoracic Organs . 160-165	49	36	13	21	9	15	4
17) Breast 174-175	10	7	3	5	2	2	1
18) Genital Organs 179-187	14	5	9	3	6	2	3
19) Urinary Organs 188-189	7	6	1	4	1	2	
20) Other & Unspecified Sites .. 170-173,190-199	14	9	5	9	1		4
21) Leukemia 204-208	4	4		2		2	
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues 200-203	7	6	1	3		3	1
23) Benign Neoplasms and Neoplasms of Unspecified Nature 210-239	1	1				1	
24) Diabetes Mellitus 250	10	3	7	3	6		1
25) Nutritional Deficiencies 260-269	3	2	1			2	1
26) Anemias 280-285							
27) Meningitis 320-322							
28) Major Cardiovascular Diseases 390-448	229	147	82	102	54	45	28
29) Diseases of Heart 390-398,402,404-429	164	108	56	73	42	35	14
30) Rheumatic Fever and Rheumatic Heart Disease 390-398	1		1		1		
31) Hypertensive Heart Disease 402	11	10	1	9	1	1	
32) Hypertensive Heart & Renal Disease 404	2		2		1		1
33) Ischemic Heart Disease 410-414	95	62	33	39	24	23	9
34) Acute Myocardial Infarction 410	65	38	27	22	18	16	9
35) Other Ischemic Heart Disease ... 411-414	30	24	6	17	6	7	
36) Other Diseases of Endocardium 424							
37) All Other Forms of Heart Disease 415-423,425-429	55	36	19	25	15	11	4
38) Hypertension 401,403	5	2	3	2	3		
39) Cerebrovascular Diseases 430-438	50	31	19	22	7	9	12
40) Atherosclerosis 440	1		1		1		
41) Other Diseases of Arteries, Arterioles, and Capillaries 441-448	9	6	3	5	1	1	2
42) Acute Bronchitis and Bronchiolitis ... 466							
43) Pneumonia and Influenza 480-487	17	10	7	6	5	4	2
44) Chronic Obstructive Pulmonary Diseases 490-496	15	9	6	8	1	1	5
45) Ulcer of Stomach and Duodenum 531-533							
46) Appendicitis 540-543							
47) Hernia & Intestinal Obstruction .. 550-553,560	3	1	2	1	1		1
48) Chronic Liver Disease and Cirrhosis .. 571	2	1	1	1			1
49) Cholelithiasis and Other Disorders of Gall Bladder 574-575	1	1		1			
50) Nephritis, Nephrotic Syndrome, and Nephrosis 580-589	5	1	4	1	2		2
51) Infections of Kidney 590							
52) Hyperplasia of Prostate 600							
53) Complications of Pregnancy, Childbirth, and the Puerperium 630-676							
54) Congenital Anomalies 740-759	1		1		1		
55) Certain Conditions Originating in the Perinatal Period 760-779	2		2		2		
56) Symptoms and Ill-Defined Conditions .. 780-799	8	4	4	4	3		1
57) All Other Diseases ..... Residual	55	26	29	13	16	13	13
58) Accidents E800-E949	20	14	6	9	1	5	5
59) Motor Vehicle Accidents E810-E825	10	6	4	5	1	1	3
60) Home Accidents ..... Home E850-E949	1		1				1
61) All Other Accidents ..... E800-E807, E826-E849, Other E850-E949	9	8	1	4		4	1
62) Suicide E950-E959	9	7	2	5	1	2	1
63) Homicide and Legal Intervention E960-E978	6	2	4	2	2		2
64) Other External Causes E980-E999	1		1				1

TABLE 47
MARRIAGES BY PLACE OF OCCURRENCE, RESIDENCE OF BRIDE, AND RESIDENCE OF GROOM BY RACE BY PLANNING DISTRICT AND CITY OR COUNTY
VIRGINIA, 1990

PLANNING DISTRICT / CITY / COUNTY	PLACE OF MARRIAGE*			RESIDENCE OF BRIDE			RESIDENCE OF GROOM		
	Total	White	Nonwhite	Total	White	Nonwhite	Total	White	Nonwhite
STATE OF VIRGINIA	71,043	57,288	13,755	71,043	57,497	13,546	71,043	57,288	13,755
DISTRICT 1	1,359	1,342	17	941	937	4	897	886	11
LEE	283	282	1	217	217		216	215	1
SCOTT	395	393	2	211	211		194	194	
WISE	605	594	11	447	443	4	421	414	7
NORTON	76	73	3	66	66		66	63	3
DISTRICT 2	2,022	1,991	31	1,230	1,215	15	1,171	1,164	7
BUCHANAN	580	579	1	294	293	1	282	282	
DICKENSON	375	374	1	202	201	1	192	192	
RUSSELL	325	325		283	282	1	275	275	
TAZEWELL	742	713	29	451	439	12	422	415	7
DISTRICT 3	2,457	2,382	75	1,745	1,715	30	1,637	1,594	43
BLAND	123	117	6	66	66		78	74	4
CARROLL	374	369	5	258	255	3	243	241	2
GRAYSON	239	234	5	176	175	1	167	164	3
SMYTH	391	380	11	374	371	3	353	346	7
WASHINGTON	540	529	11	414	409	5	401	394	7
WYTHE	376	362	14	257	248	9	247	238	9
BRISTOL	349	329	20	175	167	8	132	121	11
GALAX	65	62	3	25	24	1	16	16	
DISTRICT 4	2,874	2,788	86	1,326	1,283	43	1,326	1,277	49
FLOYD	110	108	2	96	96		108	106	2
GILES	1,668	1,635	33	139	136	3	139	137	2
MONTGOMERY	599	573	26	637	613	24	651	625	26
PULASKI	361	346	15	337	328	9	325	316	9
RADFORD	136	126	10	117	110	7	103	93	10
DISTRICT 5	2,991	2,714	277	2,470	2,252	218	2,317	2,090	227
ALLEGHANY	124	122	2	156	154	2	136	135	1
BOTETOURT	184	176	8	175	171	4	159	153	6
CRAIG	35	35		25	25		29	29	
ROANOKE	711	679	32	748	734	14	670	654	16
CLIFTON FORGE	181	171	10	39	31	8	47	38	9
COVINGTON	328	320	8	68	68		53	52	1
ROANOKE CITY	1,041	837	204	1,065	876	189	1,053	868	185
SALEM	387	374	13	194	193	1	170	161	9
DISTRICT 6	2,474	2,380	94	2,024	1,962	62	2,002	1,924	78
AUGUSTA	490	476	14	499	493	6	525	514	11
BATH	177	176	1	42	40	2	38	38	
HIGHLAND	65	65		14	14		18	18	
ROCKBRIDGE	135	133	2	186	181	5	214	208	6
ROCKINGHAM	604	578	26	614	600	14	605	588	17
BUENA VISTA	83	81	2	76	74	2	60	58	2
HARRISONBURG	235	227	8	163	154	9	150	137	13
LEXINGTON	137	130	7	6	4	2	13	11	2
STAUNTON	333	311	22	207	199	8	191	178	13
WAYNESBORO	215	203	12	217	203	14	188	174	14
DISTRICT 7	3,679	3,544	135	1,548	1,494	54	1,499	1,436	63
CLARKE	111	104	7	87	82	5	87	80	7
FREDERICK	280	277	3	451	443	8	447	435	12
PAGE	216	213	3	188	183	5	181	176	5
SHENANDOAH	359	353	6	295	292	3	284	281	3
WARREN	278	265	13	252	240	12	249	237	12
WINCHESTER	2,435	2,332	103	275	254	21	251	227	24
DISTRICT 8	16,803	12,728	4,075	12,813	10,610	2,203	12,367	10,215	2,152
ARLINGTON	3,504	2,371	1,133	1,945	1,563	382	1,940	1,581	359
FAIRFAX	6,320	5,319	1,001	6,555	5,492	1,063	6,164	5,167	997
LOUDOUN	916	848	68	777	719	58	757	697	60
PRINCE WILLIAM	1,548	1,305	243	2,181	1,881	300	2,175	1,859	316
ALEXANDRIA	3,577	2,039	1,538	1,231	844	387	1,210	806	404
FAIRFAX CITY	40	38	2	37	32	5	37	30	7
FALLS CHURCH	411	373	38	76	70	6	74	66	8
MANASSAS	480	429	51	11	9	2	7	7	
MANASSAS PARK	7	6	1				3	2	1
DISTRICT 9	1,220	1,075	145	943	839	104	934	819	115
CULPEPER	257	219	38	244	206	38	238	191	47
FAUQUIER	534	468	66	372	331	41	369	329	40
MADISON	96	82	14	92	83	9	100	92	8
ORANGE	268	241	27	196	180	16	186	166	20
RAPPAHANNOCK	65	65		39	39		41	41	
DISTRICT 10	1,490	1,286	204	1,340	1,148	192	1,333	1,139	194
ALBEMARLE	492	438	54	543	487	56	539	483	56
FLUVANNA	84	69	15	97	83	14	101	85	16
GREENE	83	81	2	94	89	5	92	87	5
LOUISA	188	151	37	174	140	34	179	148	31
NELSON	107	97	10	74	65	9	86	72	14
CHARLOTTESVILLE	536	450	86	358	284	74	336	264	72
DISTRICT 11	1,921	1,525	296	1,731	1,470	261	1,694	1,411	283
AMHERST	225	187	38	194	170	24	206	174	32
APPOMATTOX	108	89	19	92	72	20	84	68	16
BEDFORD	417	380	37	440	407	33	454	417	37
CAMPBELL	346	303	43	463	417	46	442	391	51
BEDFORD CITY	31	26	5	17	13	4	15	12	3
LYNCHBURG	694	540	154	525	391	134	493	349	144

* Refers to the Race of the Groom

[continued]

TABLE 47
MARRIAGES BY PLACE OF OCCURRENCE, RESIDENCE OF BRIDE, AND RESIDENCE OF GROOM BY RACE BY PLANNING DISTRICT AND CITY OR COUNTY
VIRGINIA, 1990

PLANNING DISTRICT / CITY / COUNTY	PLACE OF MARRIAGE*			RESIDENCE OF BRIDE			RESIDENCE OF GROOM		
	Total	White	Nonwhite	Total	White	Nonwhite	Total	White	Nonwhite
STATE OF VIRGINIA	71,043	57,288	13,755	71,043	57,497	13,546	71,043	57,288	13,755
DISTRICT 12	2,593	2,061	532	2,148	1,711	437	2,065	1,650	415
FRANKLIN	329	298	31	317	292	25	312	282	30
HENRY	590	510	80	592	508	84	563	471	92
PATRICK	224	209	15	155	143	12	159	154	5
PITTSYLVANIA	466	359	107	437	337	100	424	340	84
DANVILLE	707	495	212	505	341	164	467	308	159
MARTINSVILLE	277	190	87	142	90	52	140	95	45
DISTRICT 13	836	531	305	662	419	243	644	399	245
BRUNSWICK	145	77	68	106	51	55	108	47	61
HALIFAX	335	215	120	324	212	112	307	197	110
MECKLENBURG	306	205	101	230	155	75	226	154	72
SOUTH BOSTON	50	34	16	2	1	1	3	1	2
DISTRICT 14	671	451	220	581	395	186	573	401	172
AMELIA	76	56	20	72	59	13	63	53	10
BUCKINGHAM	123	80	43	94	65	29	109	76	33
CHARLOTTE	117	77	40	99	62	37	98	65	33
CUMBERLAND	47	30	17	49	29	20	47	31	16
LUNENBURG	61	41	20	66	45	21	71	50	21
NOTTOWAY	132	86	46	100	67	33	103	74	29
PRINCE EDWARD	115	81	34	101	68	33	82	52	30
DISTRICT 15	6,620	4,982	1,638	6,787	5,157	1,630	6,527	4,924	1,603
CHARLES CITY COUNTY	72	40	32	42	17	25	36	10	26
CHESTERFIELD	1,390	1,243	147	1,847	1,622	225	1,683	1,489	194
GOOCHLAND	131	100	31	115	96	19	106	91	15
HANOVER	550	490	60	530	483	47	521	470	51
HENRICO	1,743	1,354	389	2,258	1,817	441	2,141	1,738	403
NEW KENT	89	74	15	80	69	11	84	72	12
POWHATAN	129	106	23	105	98	7	112	102	10
RICHMOND CITY	2,516	1,575	941	1,810	955	855	1,844	952	892
DISTRICT 16	1,553	1,332	221	1,459	1,260	199	1,467	1,259	208
CAROLINE	171	120	51	160	118	42	177	129	48
KING GEORGE	121	91	30	98	69	29	100	72	28
SPOTSYLVANIA	245	217	28	485	440	45	470	425	45
STAFFORD	593	539	54	511	466	45	512	471	41
FREDERICKSBURG	423	365	58	205	167	38	208	162	46
DISTRICT 17	402	282	120	319	222	97	325	228	97
LANCASTER	113	83	30	79	59	20	89	63	26
NORTHUMBERLAND	80	59	21	70	48	22	67	43	24
RICHMOND	58	39	19	41	30	11	37	31	6
WESTMORELAND	151	101	50	129	85	44	132	91	41
DISTRICT 18	587	487	100	566	470	96	560	467	93
ESSEX	64	49	15	65	43	22	64	45	19
GLOUCESTER	225	205	20	237	222	15	248	227	21
KING & QUEEN	64	41	23	49	34	15	41	29	12
KING WILLIAM	86	66	20	98	71	27	93	70	23
MATHEWS	68	63	5	49	45	4	45	43	2
MIDDLESEX	80	63	17	68	55	13	69	53	16
DISTRICT 19	2,009	1,266	743	1,387	929	458	1,341	878	463
DINWIDDIE	111	75	36	180	132	48	173	131	42
GREENSVILLE	38	21	17	30	10	20	28	17	11
PRINCE GEORGE	256	197	59	215	178	37	215	165	50
SURRY	48	24	24	51	25	26	49	22	27
SUSSEX	103	59	44	88	51	37	84	43	41
COLONIAL HEIGHTS	250	243	7	176	171	5	151	146	5
EMPORIA	399	192	207	88	48	40	84	42	42
HOPEWELL	279	229	50	244	204	40	252	207	45
PETERSBURG	525	226	299	315	110	205	305	105	200
DISTRICT 20	11,555	8,480	3,075	10,267	7,530	2,737	10,096	7,403	2,693
ISLE OF WIGHT	211	152	59	190	143	47	187	136	51
SOUTHAMPTON	168	93	75	157	100	57	149	94	55
CHESAPEAKE	1,168	898	270	1,338	1,015	323	1,151	899	252
FRANKLIN CITY	48	31	17	40	20	20	40	22	18
NORFOLK	3,868	2,448	1,420	3,024	1,914	1,110	3,374	2,111	1,263
PORTSMOUTH	1,098	637	461	903	507	396	831	463	368
SUFFOLK	440	265	175	414	251	163	379	232	147
VIRGINIA BEACH	4,554	3,956	598	4,201	3,580	621	3,985	3,446	539
DISTRICT 21	4,426	3,237	1,189	3,812	2,709	1,103	3,770	2,695	1,075
JAMES CITY COUNTY	123	100	23	289	247	42	273	232	41
YORK	329	276	53	345	296	49	320	274	46
HAMPTON	1,285	901	384	1,320	875	445	1,281	872	409
NEWPORT NEWS	1,988	1,312	676	1,705	1,160	545	1,746	1,185	561
POQUOSON	62	60	2	52	49	3	41	41	
WILLIAMSBURG	639	588	51	101	82	19	109	91	18
DISTRICT 22	438	305	133	339	227	112	333	218	115
ACCOMACK	313	227	86	242	168	74	226	155	71
NORTHAMPTON	125	78	47	97	59	38	107	63	44
UNKNOWN	155	114	41	4	4		10	8	2
OUT-OF-STATE	8	5	3	14,601	11,539	3,062	16,155	12,803	3,352

* Refers to the Race of the Groom

TABLE 48
MARRIAGES BY TYPE OF CEREMONY BY MONTH
VIRGINIA, 1990

MONTH	TOTAL	TYPE OF CEREMONY		
		Religious	Civil	Unknown
TOTAL	71,043	42,853	27,992	198
January	3,446	1,668	1,769	9
February	4,476	2,234	2,232	10
March	4,760	2,517	2,226	17
April	5,515	3,318	2,179	18
May	7,115	4,536	2,561	18
June	8,242	5,615	2,606	21
July	6,170	3,668	2,488	14
August	7,053	4,199	2,835	19
September	6,850	4,693	2,136	21
October	6,223	3,956	2,259	8
November	5,183	3,045	2,122	16
December	6,010	3,404	2,579	27

TABLE 49
MARRIAGES BY PREVIOUS MARITAL STATUS OF BRIDE
BY PREVIOUS MARITAL STATUS OF GROOM
ACCORDING TO RACE OF GROOM
VIRGINIA, 1990

PREVIOUS MARITAL STATUS OF GROOM	TOTAL	PREVIOUS MARITAL STATUS OF BRIDE				
		Single	Widowed	Divorced	Annulled	Unknown
TOTAL	71,043	44,688	2,294	23,890	6	165
Single	45,439	36,395	453	8,489	3	99
Widowed	1,950	282	752	913		3
Divorced	23,562	7,960	1,088	14,466	2	46
Annulled	5	1		3	1	
Unknown	87	50	1	19		17
WHITE	57,288	34,462	1,924	20,767	6	129
Single	35,303	27,869	326	7,028	3	77
Widowed	1,625	185	656	781		3
Divorced	20,291	6,371	941	12,940	2	37
Annulled	5	1		3	1	
Unknown	64	36	1	15		12
NONWHITE	13,755	10,226	370	3,123		36
Single	10,136	8,526	127	1,461		22
Widowed	325	97	96	132		
Divorced	3,271	1,589	147	1,526		9
Annulled						
Unknown	23	14		4		5

TABLE 50
MARRIAGES BY AGE OF BRIDE BY AGE OF GROOM IN YEARS
VIRGINIA, 1990

AGE OF GROOM	TOTAL	AGE OF BRIDE																												
		<15	15-19					20-24					25-29					30-34					35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75 UP	UNK
			15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34										
TOTAL	71,043	20	124	675	1,072	3,141	3,710	3,868	3,986	4,057	4,103	4,019	3,914	3,773	3,365	2,982	2,792	2,411	2,177	1,957	1,869	1,638	6,313	4,175	2,244	1,056	568	432	322	155	114	11
<15	2		2																													
15	6		1	3		2																										
16	55	1	5	14	12	14	7		2									1														
17	263	3	11	61	52	61	28	17	11	7	4	2	1	2	1								1									
18	1,123	2	21	126	141	325	243	108	47	30	16	14	14	7	3	5	3	3	1	3	4	2	4								1	
19	2,123	4	23	153	202	534	468	292	145	104	56	41	28	20	10	10	10	6	3	4	3	1	4	1		1						
20	3,009	4	17	103	230	580	627	494	315	209	105	89	47	53	28	16	17	9	10	14	8	4	18	9	2		1					
21	3,458	1	14	65	144	448	577	619	538	291	213	114	116	77	61	41	37	20	20	13	3	11	24	7	3						1	
22	3,767		8	35	96	355	437	521	614	516	352	243	160	110	70	62	51	32	15	26	16	11	28	9								
23	4,002	1	3	26	58	235	340	455	511	593	582	338	210	162	111	74	71	41	43	25	14	25	57	17	5					1	1	3
24	3,926	2	3	26	29	149	267	339	409	486	540	523	300	224	155	113	70	63	63	35	27	25	54	17	4						1	2
25	4,069	1	6	18	28	114	188	265	306	444	493	506	452	326	214	148	155	77	61	54	42	36	94	22	9	1		1				1
26	3,816	1	2	9	19	68	116	172	257	312	368	422	469	435	319	200	144	127	81	59	49	39	104	34	9						1	
27	3,804		1	6	14	71	114	146	188	273	307	374	422	431	354	238	185	145	111	96	64	51	135	52	16	6	1		1			2
28	3,386		1	6	8	43	68	108	139	184	220	272	361	385	311	320	231	160	116	86	67	63	172	48	13	3		1				
29	3,099		1	8	11	33	63	81	114	130	167	231	265	293	303	266	261	185	147	116	89	70	181	65	14	1	2	1			1	
30	2,801			5	8	26	36	60	78	114	135	191	211	230	259	217	225	209	151	133	112	69	237	69	25						1	
31	2,501			2	1	16	22	47	82	75	121	127	173	187	216	196	229	216	167	121	110	80	224	69	13	3	1			1	1	1
32	2,321	1	2	2	15	27	33	41	64	89	127	132	165	165	200	181	158	177	161	123	94	257	75	26	4					1	1	
33	2,093			1	7	9	15	23	40	60	72	89	102	115	136	151	160	166	142	156	126	96	295	98	28	4						2	
34	1,868			2	1	9	14	16	36	30	57	66	88	91	140	129	138	133	129	112	117	122	302	108	21	4	1				1	1
35-39	7,093		2	3	5	19	34	46	76	75	136	177	235	293	310	376	384	379	447	404	490	451	1,755	727	201	53	7	3		1	3	1
40-44	4,936		2		2	9	12	14	19	39	50	54	86	113	142	136	150	192	185	212	246	263	1,311	1,183	392	96	16	7	2	2	1	
45-49	2,903					4	4	6	15	14	15	13	29	38	35	52	50	50	77	87	101	82	620	827	549	168	46	12	4	1	4	
50-54	1,648						1	1		3	3	3	3	10	16	17	23	25	19	24	36	23	246	385	450	264	68	17	8	3		
55-59	1,077				1	1		1	1	1	1	1	4	3	2	5	6	8	7	11	9	13	111	213	236	230	142	49	16	2	5	
60-64	778						1		1	3	1		2	2	3	7	6	2	4	1	3	2	43	79	146	115	153	125	54	21	4	
65-69	527							2				1	3			1	3	2		2	2	3	21	47	47	58	74	117	107	32	5	
70-74	332																	2		2	1		9	10	28	33	30	59	77	51	22	
75 UP	252			1	1	1	1	1	1			1	1		1	2	1					2	5	4	7	12	18	40	54	40	58	
UNK	5							1						1			1		1				1									

TABLE 51
DIVORCES AND ANNULMENTS BY RACE OF HUSBAND AND CAUSE OF DIVORCE BY PLANNING DISTRICT AND CITY OR COUNTY WHERE GRANTED
VIRGINIA, 1990

PLANNING DISTRICT AND CITY / COUNTY	ALL DIVORCES (Including Annulments)			CAUSE OF DIVORCE					
	Total	White	Nonwhite	Separation	Desertion	Adultery	Imprison-ment	Other And Unknown	Annul-ments
STATE OF VIRGINIA	27,307	22,849	4,458	25,785	589	303	36	539	55
DISTRICT 1	485	478	7	449	22	4		8	1
LEE	119	119		116	2		1		
SCOTT	117	117		102	12	1		2	
WISE	249	242	7	231	8	3		6	1
NORTON									
DISTRICT 2	506	503	3	461	23	10		9	3
BUCHANAN	116	116		105	2	5		2	2
DICKENSON	86	85	1	77	6	2		1	
RUSSELL	116	115	1	110	4			1	1
TAZEWELL	188	187	1	169	11	3		5	
DISTRICT 3	855	833	22	785	26	15	1	23	5
BLAND	17	17		15	1				1
CARROLL	158	155	3	145	5	6		1	1
GRAYSON	90	88	2	87	3				
SMYTH	170	168	2	153	8	4		4	1
WASHINGTON	229	226	3	206	7	2	1	12	1
WYTHE	116	111	5	108	2	2		3	1
BRISTOL	75	68	7	71		1		3	
GALAX	(Included With Carroll and Grayson Counties)								
DISTRICT 4	649	624	25	613	12	9	1	12	2
FLOYD	47	46	1	46	1				
GILES	74	74		68	1	2		2	1
MONTGOMERY	326	311	15	309	8	4	1	4	
PULASKI	161	156	5	152	1	2		6	
RADFORD	41	37	4	38	1	1			1
DISTRICT 5	1,246	1,127	119	1,111	59	21	1	53	1
ALLEGHANY	93	87	6	76	5	2	1	9	
BOTETOURT	101	95	6	95	2	2		2	
CRAIG	17	17		15	1			1	
ROANOKE	367	359	8	350	11	3		3	
CLIFTON FORGE	19	15	4	19					
COVINGTON	(Included With Alleghany County)								
ROANOKE CITY	538	449	89	451	38	11		37	1
SALEM	111	105	6	105	2	3		1	
DISTRICT 6	1,019	974	45	964	12	18	1	24	
AUGUSTA	259	252	7	249	4	5		1	
BATH	26	25	1	19	1			6	
HIGHLAND	6	6		5	1				
ROCKBRIDGE	113	110	3	106		1	1	5	
ROCKINGHAM	348	339	9	337		7		4	
BUENA VISTA	40	38	2	37	2			1	
HARRISONBURG	(Included With Rockingham County)								
LEXINGTON	(Included With Rockbridge County)								
STAUNTON	108	93	15	98	3	3		4	
WAYNESBORO	119	111	8	113	1	2		3	
DISTRICT 7	759	734	25	708	19	10	2	20	
CLARKE	46	42	4	38	3	2		3	
FREDERICK	218	213	5	212	1	2		3	
PAGE	87	85	2	68	10	1	1	7	
SHENANDOAH	143	142	1	139	3	1			
WARREN	134	128	6	124	2	3	1	4	
WINCHESTER	131	124	7	127		1		3	
DISTRICT 8	5,816	4,945	871	5,540	102	52	8	107	7
ARLINGTON	688	553	135	660	8	3		15	2
FAIRFAX	3,092	2,680	412	2,964	51	25	5	46	1
LOUDOUN	381	347	34	355	4	7		15	
PRINCE WILLIAM	1,059	954	105	1,013	20	12	2	11	1
ALEXANDRIA	596	411	185	548	19	5	1	20	3
FAIRFAX CITY	(Included With Fairfax County)								
FALLS CHURCH	(Included With Fairfax County)								
MANASSAS	(Included With Prince William County)								
MANASSAS PARK	(Included With Prince William County)								
DISTRICT 9	499	458	41	477	4	7		10	1
CULPEPER	109	97	12	105		3		1	
FAUQUIER	249	230	19	237	3	2		6	1
MADISON	43	38	5	43					
ORANGE	76	71	5	71	1	2		2	
RAPPAHANNOCK	22	22		21				1	
DISTRICT 10	646	561	85	610	7	7	1	21	
ALBEMARLE	262	239	23	246	3	4	1	8	
FLUVANNA	37	33	4	37					
GREENE	49	47	2	45				4	
LOUISA	89	72	17	84	1	1		3	
NELSON	52	47	5	49	1	1		1	
CHARLOTTESVILLE	157	123	34	149	2	1		5	
DISTRICT 11	913	778	135	832	18	39	2	19	3
AMHERST	124	109	15	104	3	10	2	4	1
APPOMATTOX	44	36	8	41		1		2	
BEDFORD	230	214	16	212	9	5		4	
CAMPBELL	256	227	29	235	4	14		2	1
BEDFORD CITY	(Included With Bedford County)								
LYNCHBURG	259	192	67	240	2	9		7	1

[continued]

TABLE 51
DIVORCES AND ANNULMENTS BY RACE OF HUSBAND AND CAUSE OF DIVORCE BY PLANNING DISTRICT AND CITY OR COUNTY WHERE GRANTED VIRGINIA, 1990

PLANNING DISTRICT AND CITY / COUNTY	ALL DIVORCES (Including Annulments)			CAUSE OF DIVORCE					
	Total	White	Nonwhite	Separation	Desertion	Adultery	Imprison-ment	Other And Unknown	Annul-ments
STATE OF VIRGINIA	27,307	22,849	4,458	25,785	589	303	36	539	55
DISTRICT 12	1,093	885	208	1,039	24	11	3	14	3
FRANKLIN	100	96	4	90	5			5	
HENRY	306	259	47	282	10	6	1	5	2
PATRICK	83	81	2	81	2				
PITTSYLVANIA	199	163	36	190	4	2	1	2	
DANVILLE	343	245	98	336	1	3	1	2	
MARTINSVILLE	62	41	21	60	2				
DISTRICT 13	350	238	112	339	4	2		4	1
BRUNSWICK	57	26	31	54	1			2	
HALIFAX	161	117	44	157	2	2			
MECKLENBURG	132	95	37	128	1			2	1
SOUTH BOSTON	(Included With Halifax County)								
DISTRICT 14	341	255	86	327	2	3		9	
AMELIA	44	36	8	43	1				
BUCKINGHAM	58	48	10	54	1	1		2	
CHARLOTTE	47	35	12	45		1		1	
CUMBERLAND	34	22	12	32				2	
LUNENBURG	53	36	17	51		1		1	
NOTTOWAY	55	43	12	54				1	
PRINCE EDWARD	50	35	15	48				2	
DISTRICT 15	3,338	2,541	797	3,195	55	32	6	48	2
CHARLES CITY COUNTY	16	9	7	14	1			1	
CHESTERFIELD	1,030	937	93	982	16	13	1	18	
GOOCHLAND	57	43	14	55	1			1	
HANOVER	290	275	15	274	5	4		7	
HENRICO	1,015	835	180	974	21	9	3	8	
NEW KENT	55	45	10	52	1	1		1	
POWHATAN	45	44	1	45					
RICHMOND CITY	830	353	477	799	10	5	2	12	2
DISTRICT 16	776	698	78	739	15	6	1	14	1
CAROLINE	82	60	22	79	3				
KING GEORGE	55	49	6	52	1			2	
SPOTSYLVANIA	258	243	15	254	2	1		1	
STAFFORD	273	260	13	258	7	3		4	1
FREDERICKSBURG	108	86	22	96	2	2	1	7	
DISTRICT 17	138	102	36	128	4			5	1
LANCASTER	32	25	7	29				2	1
NORTHUMBERLAND	37	29	8	35	1			1	
RICHMOND	24	17	7	22				2	
WESTMORELAND	45	31	14	42	3				
DISTRICT 18	319	277	42	300	5	1	1	12	
ESSEX	37	24	13	35	1			1	
GLOUCESTER	147	136	11	142	1	1		3	
KING & QUEEN	14	9	5	12			1	1	
KING WILLIAM	43	36	7	42				1	
MATHEWS	46	44	2	39	1			6	
MIDDLESEX	32	28	4	30	2				
DISTRICT 19	724	493	231	672	18	12		17	5
DINWIDDIE	96	78	18	88	4	2		2	
GREENSVILLE	43	19	24	39	1	1		2	
PRINCE GEORGE	116	86	30	113	1			2	
SURRY	18	8	10	15	2			1	
SUSSEX	41	22	19	41					
COLONIAL HEIGHTS	100	99	1	88	3	2		6	1
EMPORIA	(Included With Greensville County)								
HOPEWELL	147	120	27	132	2	5		4	4
PETERSBURG	163	61	102	156	5	2			
DISTRICT 20	4,896	3,916	980	4,613	142	36	6	85	14
ISLE OF WIGHT	99	77	22	90	1	4		3	1
SOUTHAMPTON	99	72	27	82	3			14	
CHESAPEAKE	689	564	125	642	22	5		18	2
FRANKLIN CITY	(Included With Southampton County)								
NORFOLK	1,095	734	361	1,020	31	11	3	25	5
PORTSMOUTH	491	335	156	468	13		1	7	2
SUFFOLK	147	103	44	143	2	2			
VIRGINIA BEACH	2,276	2,031	245	2,168	70	14	2	18	4
DISTRICT 21	1,819	1,347	472	1,764	16	8	1	24	6
JAMES CITY COUNTY	119	101	18	117	1	1			
YORK	233	207	26	224	3			5	1
HAMPTON	550	384	166	534	3	3		6	4
NEWPORT NEWS	869	616	253	841	9	4	1	13	1
POQUOSON	(Included With York County)								
WILLIAMSBURG	48	39	9	48					
DISTRICT 22	120	82	38	119				1	
ACCOMACK	83	58	25	83					
NORTHAMPTON	37	24	13	36				1	

TABLE 52
DIVORCES AND ANNULMENTS BY RACE BY MONTH OF DECREE
VIRGINIA, 1990

MONTH	DIVORCES AND ANNULMENTS			ANNULMENTS ONLY		
	Total	White	Nonwh	Total	White	Nonwh
TOTAL	27,307	22,849	4,458	55	41	14
January	1,851	1,531	320	4	3	1
February	1,882	1,574	308	2		2
March	2,303	1,909	394	5	4	1
April	2,250	1,889	361	7	6	1
May	2,576	2,144	432	4	2	2
June	2,413	2,027	386	6	6	
July	2,286	1,908	378	4	2	2
August	2,469	2,063	406	6	5	1
September	2,149	1,779	370	3	3	
October	2,351	1,991	360	6	5	1
November	2,238	1,871	367	5	3	2
December	2,539	2,163	376	3	2	1

TABLE 53
DIVORCES AND ANNULMENTS BY RACE OF HUSBAND BY PLACE OF MARRIAGE
AND BY NUMBER OF MINOR CHILDREN IN FAMILY
VIRGINIA, 1990

PLACE OF MARRIAGE / MINOR CHILDREN	Total	White	Nonwh
ALL DIVORCES AND ANNULMENTS	27,307	22,849	4,458
By Place of Marriage			
State of Virginia	18,528	15,461	3,067
Outside of Virginia	8,760	7,373	1,387
State Residence Unknown	19	15	4
By Number of Minor Children in Family			
No Children	13,570	11,555	2,015
1 Child	7,169	5,868	1,301
2 Children	4,577	3,803	774
3 Children	1,150	939	211
4 Children	197	146	51
5 Children	37	27	10
6 Children	11	8	3
7 Children	2	1	1
8 Children	1	1	
9 Children			
10 Children or More	1	1	
Children Not Stated	592	500	92

TABLE 54
DIVORCES AND ANNULMENTS BY DURATION OF MARRIAGE AND PERSON GRANTED DIVORCE BY PLAINTIFF AND CAUSE OF DIVORCE VIRGINIA, 1990

CAUSE	PLAINTIFF	TOTAL	DURATION OF MARRIAGE IN YEARS																	GRANTED TO		
			Under 1 Year	1-4				5-9					10-14	15-19	20-24	25-29	30-34	35-39	40 Up	Unk	Husband	Wife	Oth & Unk
				1	2	3	4	5	6	7	8	9											
ALL CAUSES	Total	27,307	136	1,203	1,992	2,278	2,172	2,078	1,842	1,628	1,502	1,270	4,452	2,782	1,990	1,064	469	228	162	59	10,516	15,199	1,592
	Husband	10,803	53	510	746	834	852	792	696	635	612	492	1,794	1,138	812	437	186	101	80	33	9,818	384	601
	Wife	16,328	82	686	1,230	1,435	1,307	1,271	1,140	984	878	768	2,627	1,627	1,162	622	278	124	81	26	661	14,772	895
	Oth/Unk	176	1	7	16	9	13	15	6	9	12	10	31	17	16	5	5	3	1		37	43	96
Separation for More Than One Year	Total	25,785	106	1,119	1,879	2,167	2,065	1,994	1,746	1,541	1,414	1,206	4,208	2,616	1,881	994	432	212	151	54	9,987	14,377	1,421
	Husband	10,221	43	478	694	786	806	762	664	606	577	469	1,695	1,081	764	415	176	98	77	30	9,335	339	547
	Wife	15,407	63	634	1,172	1,372	1,247	1,219	1,077	927	828	727	2,484	1,520	1,102	576	251	111	73	24	617	13,999	791
	Oth/Unk	157		7	13	9	12	13	5	8	9	10	29	15	15	3	5	3	1		35	39	83
Desertion	Total	589	1	29	46	37	42	30	40	33	32	23	85	74	49	33	16	8	8	3	220	337	32
	Husband	237	1	13	22	22	21	10	11	13	11	10	38	26	21	9	4	1	2	2	202	23	12
	Wife	350		16	23	15	21	20	29	20	21	13	47	47	28	24	12	7	6	1	17	314	19
	Oth/Unk	2			1									1							1		1
Adultery, Sodomy	Total	303	5	8	14	18	19	18	19	14	26	15	60	29	31	14	7	5		1	146	145	12
	Husband	141	2	4	8	10	12	9	13	5	13	5	25	10	16	5	1	2		1	121	15	5
	Wife	161	3	4	5	8	7	9	6	9	13	10	35	19	15	9	6	3			25	130	6
	Oth/Unk	1			1																		1
Imprisonment	Total	36		1	5	4	4	1	4	6	2	1	5	2	1						5	26	5
	Husband	6		1		1	1			1	1		1								5		1
	Wife	29			5	3	3	1	3	5	1	1	4	2	1							26	3
	Oth/Unk	1							1														1
Cruelty	Total	156		15	11	11	14	11	13	6	4	8	26	15	10	6	4		1	1	23	113	20
	Husband	28		2	4	3	4		2	2		1	5	1	1	2			1		23	3	2
	Wife	127		13	7	8	10	11	11	4	4	7	21	14	9	3	4			1		109	18
	Oth/Unk	1														1						1	
Other/Unknown	Total	383	2	16	32	38	28	22	18	27	24	16	65	46	18	17	9	3	2		119	169	95
	Husband	149		[redacted]	15	12	8	10	4	8	10	7	27	20	10	6	4				116	3	30
	Wife	221	2	[redacted]	16	26	19	10	14	18	11	9	36	25	7	10	5	3	2		2	164	55
	Oth/Unk	13			1		1	2		1	3		2	1	1	1					1	2	10
Annulments	Total	55	22	15	5	3		2	2	1		1	3				1				16	32	7
	Husband	21	7	4	3			1	2				3				1				16	1	4
	Wife	33	14	11	2	3		1		1		1										30	3
	Oth/Unk	1	1																			1	

TABLE 55
DIVORCES AND ANNULMENTS BY AGE OF WIFE BY AGE OF HUSBAND
VIRGINIA, 1990

AGE OF HUSBAND (Years)	TOTAL	AGE OF WIFE (Years)																											
		15-19					20-24					25-29					30-34					35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75 UP	UNK
		15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34									
TOTAL	27,307		5	10	58	155	291	498	631	745	988	1,154	1,192	1,295	1,225	1,208	1,228	1,155	1,067	1,133	992	4,648	3,478	1,903	901	464	244	121	54	61	403
15																														
16	1						1																							
17	1																													
18	8		1		1	2	1	1		1												1								
19	34			1	6	10	8	3	6																				1	
20	83			1	9	14	25	15	8	2	3	1		2								2								
21	207		1	4	8	28	47	48	19	12	12	6		4	2	4	1	2		1	2	2	1							1
22	353		1	1	13	29	57	85	61	36	25	10	6	6	4	2	4	1	2		1	2	1						1	2
23	468		1	1	5	23	40	77	99	82	45	22	17	21	3	7	11	1		3	3	4								4
24	625			1	6	12	26	70	109	97	109	64	52	15	11	8	8	8	2	7	1	7	3	1					1	3
25	848				2	8	23	53	90	144	136	138	100	45	28	14	11	10	6	7	5	11	6	1						1	7
26	1,032				1	7	18	39	58	114	155	175	172	90	58	24	27	16	11	10	11	22	5	2	1					1	9
27	1,067				2	7	10	26	51	59	139	179	164	151	84	50	38	20	14	7	11	18	7	3	1	2					16
28	1,113				1	3	7	26	33	60	94	124	145	187	171	97	38	28	22	17	8	26	7	2	1		1			1	23
29	1,137		1			2	3	11	22	29	77	122	109	168	173	140	95	41	33	19	17	38	13	3	1					1	14
30	1,168					4	4	8	15	32	51	82	95	145	140	162	139	85	55	29	16	70	21	2	2					2	18
31	1,164					1	7	7	12	12	34	53	85	113	131	151	156	129	76	53	30	74	20	7						1	10
32	1,159					1	1	8	8	11	26	50	50	78	92	124	135	128	131	100	51	122	23	6						1	13
33	1,145				1		2	2	3	7	16	27	47	69	82	93	127	141	136	103	76	142	41	9	2					2	13
34	1,121				1			1	4	10	17	23	27	45	58	71	95	126	137	139	122	168	49	8	2						17
35-39	4,830			1			1	6	15	20	31	48	74	108	117	172	232	287	302	428	432	1,959	422	86	17	2	3	2		11	18
40-44	3,938					1	2	2	7	6	5	14	28	27	38	48	63	89	86	146	126	1,370	1,535	214	64	12	3	1		7	54
45-49	2,552						1		3	1	5	4	7	5	14	26	23	26	31	37	51	365	906	829	122	36	15	4		1	44
50-54	1,387									1		1	2	2	6	3	9	4	12	12	11	127	245	507	331	52	28	3	3	2	40
55-59	804											1	1	3		3	6	1	1	4	3	45	88	132	250	189	43	11	3	5	26
60-64	402								1		1					1		3	1	2		20	34	53	66	111	71	18	7	4	15
65-69	223						1					1							1		1	8	16	13	25	40	56	44	6	1	9
70-74	99																	1				3	2	5	5	12	13	22	19	5	10
75 UP	114					2		1	2	2	2	3	4	2	2	2	1	1	3	1	1	10	4	7	6	4	7	15	16	10	12
UNK	224				2	1	6	9	5	7	5	6	7	9	11	6	9	7	5	8	13	32	27	13	5	4	4	1		3	6
																														19

TABLE 56
REPORTED CASES AND DEATHS FROM CERTAIN COMMUNICABLE DISEASES
WITH CASE RATES PER 100,000 POPULATION
VIRGINIA, 1981-1990

YEAR	AIDS			AMEBIASIS			CAMPYLOBACTER INFECTIONS			GIARDIASIS			HEPATITIS A			HEPATITIS B		
	Cases	Case Rate	Deaths	Cases	Case Rate	Deaths	Cases	Case Rate	Deaths	Cases	Case Rate	Deaths	Cases	Case Rate	Deaths	Cases	Case Rate	Deaths
1981	NA	NA	NA	39	0.7		226	4.2		216	4.0		200	3.7	1	537	9.9	4
1982	6	0.1	5	68	1.2		440	8.1		191	3.5		189	3.5	2	507	9.3	7
1983	21	0.4	21	91	1.6	1	588	10.6	1	195	3.5		126	2.3	1	528	9.6	7
1984	42	0.8	41	33	0.6		664	11.9	1	254	4.5		124	2.2	1	522	9.3	11
1985	102	1.8	98	78	1.4		746	13.0	1	409	7.1		171	3.0	1	558	9.7	7
1986	166	2.9	150	44	0.8		591	10.2		302	5.2		153	2.6		540	9.3	6
1987	269	4.6	223	50	0.9		639	10.9	1	262	4.5		244	4.2		448	7.6	14
1988	376	6.3	290	19	0.3		731	12.3		250	4.2		362	6.1		343	5.8	7
1989	445	7.4	300	24	0.4		689	11.4		304	5.0		334	5.5	2	321	5.3	8
1990	649	10.5	384	18	0.3		598	9.7	1	359	5.8		302	4.9		279	4.5	9

YEAR	LEGIONELLOSIS			MEASLES (Rubeola)			MENINGOCOCCAL INFECTIONS			MENINGITIS (ASEPTIC)			MUMPS			PERTUSSIS		
	Cases	Case Rate	Deaths	Cases	Case Rate	Deaths	Cases	Case Rate	Deaths	Cases	Case Rate	Deaths	Cases	Case Rate	Deaths	Cases	Case Rate	Deaths
1981	21	0.4		18	0.3		103	1.9	18	274	5.0	1	134	2.5		10	0.2	
1982	29	0.5	4	14	0.3		72	1.3	3	262	4.8		44	0.8		29	0.5	
1983	24	0.4	5	23	0.4		81	1.5	11	338	6.1	1	37	0.7		50	0.9	
1984	33	0.6	3	5	0.1		66	1.2	7	264	4.7		20	0.4		19	0.3	
1985	27	0.5	2	28	0.5		57	1.0	5	418	7.3		49	0.9		21	0.4	
1986	29	0.5	6	60	1.0		79	1.4	3	311	5.4		46	0.8		56	1.0	
1987	12	0.2	7	1	*		72	1.2	5	281	4.8	1	88	1.5		58	1.0	
1988	11	0.2	6	239	4.0		59	1.0	11	210	3.5	3	139	2.3		29	0.5	
1989	13	0.2	2	22	0.4		73	1.2	9	417	6.9	4	125	2.1		37	0.6	
1990	13	0.2	2	86	1.4		58	0.9	4	386	6.2	1	108	1.7		25	0.4	

YEAR	ROCKY MOUNTAIN SPOTTED FEVER			RUBELLA			SALMONELLOSIS			SHIGELLOSIS			TETANUS			TYPHOID FEVER		
	Cases	Case Rate	Deaths	Cases	Case Rate	Deaths	Cases	Case Rate	Deaths	Cases	Case Rate	Deaths	Cases	Case Rate	Deaths	Cases	Case Rate	Deaths
1981	105	1.9	1	9	0.2		1,572	29.0	4	1,211	22.3			0.0		1	*	
1982	74	1.4	3	12	0.2		1,468	26.9	1	159	2.9		2	*		4	0.1	
1983	60	1.1	3	2	*		1,471	26.6	2	285	5.2		2	*	1	16	0.3	
1984	47	0.8	1	1	*	1	1,255	22.4	5	201	3.6	1	1	*	1	8	0.1	
1985	24	0.4		2	*		1,651	28.8	3	88	1.5	1	3	0.1		3	0.1	
1986	51	0.9	2		0.0		1,456	25.1	2	101	1.7			0.0		11	0.2	
1987	22	0.4		1	*		1,830	31.2	6	247	4.2			0.0		10	0.2	
1988	17	0.3	1	11	0.2		1,733	29.1	2	497	8.4		2	*	1	13	0.2	
1989	18	0.3			0.0		1,452	24.1	5	410	6.8			0.0		7	0.1	
1990	25	0.4	2	1	*		1,491	24.1		158	2.6		2	*	1	6	0.1	

NOTES: NA = Data Not Available
* = Rate Less Than 0.05
\# = AIDS Cases Are Reported From The Office Of Epidemiology / Bureau Of Sexually Transmitted Diseases And AIDS

TABLE 57
REPORTED CASES OF CERTAIN COMMUNICABLE DISEASES BY PLANNING DISTRICT AND CITY OR COUNTY VIRGINIA, 1990

PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE	AMEBIASIS	ASEPTIC MENINGITIS	CAMPYLOBACTER INFECTIONS	GIARDIASIS	HEPATITIS TYPE A	HEPATITIS TYPE B	HEPATITIS TYPE NON-A NON-B	HEPATITIS TYPE UNSPECIFIED	LEGIONELLOSIS	MALARIA	MEASLES (RUBEOLA)	MENINGOCOCCAL INFECTIONS	MUMPS	PERTUSSIS (WHOOPING COUGH)	ROCKY MOUNTAIN SPOTTED FEVER	SALMONELLOSIS	SHIGELLOSIS	TUBERCULOSIS
STATE OF VIRGINIA	18	386	598	359	302	279	46	148	13	54	86	58	108	25	25	1,491	158	410
DISTRICT 1		1	18	6	1	1	1		2				1			16		6
LEE			4	2					1							2		3
SCOTT			6	3			1		1							8		
WISE		1	8	1	1	1							1			6		3
NORTON*																		
DISTRICT 2		3	3	4		10						3	1	2		16		9
BUCHANAN				3		7										1		2
DICKENSON		1	1			1										1		1
RUSSELL			1									1		2		7		
TAZEWELL		2	1	1		2						2	1			7		6
DISTRICT 3		3	8	5	2	1	1	1	2			1	2	1		16	1	6
BLAND		1		1				1					1					
CARROLL			1	1	1								1			2		2
GRAYSON			1	1												2		
SMYTH		1	1		1	1	1		1							2		3
WASHINGTON		1		2												6		1
WYTHE			1													2		
BRISTOL			3						1			1		1		2		
GALAX			1														1	
DISTRICT 4		8	4	5	5		1	3	1			1	2		1	24	1	6
FLOYD		3											1			3		
GILES		1						1				1	1		1	2		1
MONTGOMERY		2	4	4	5											11	1	2
PULASKI		2		1				1	1							3		3
RADFORD							1	1								5		
DISTRICT 5	1	23	32	22	48	27	4	3				1	2			58	4	12
ALLEGHANY			1		15			2								5		3
BOTETOURT		1	4	1	2	2	1					1				6	1	
CRAIG		1	1															1
ROANOKE		5	3		3	8										9	1	
CLIFTON FORGE					28	2												
COVINGTON*																		
ROANOKE CITY	1	14	22	20		14	2	1					2			25	2	6
SALEM		2	1	1		1	1									5		2
DISTRICT 6	1	8	69	18	2	5	5	5			1	3	23	3		50	9	13
AUGUSTA		2	11	6	4	4		4			1			2		12	2	5
BATH		2			1											1		
HIGHLAND				1														
ROCKBRIDGE	1	2	4	2	1	1	3									1		4
ROCKINGHAM		1	49	7			1					2	23	1		27	7	2
BUENA VISTA			1	1				1								2		1
HARRISONBURG*																		
LEXINGTON*																		
STAUNTON*																		
WAYNESBORO		1	4	1			1					1				7		1

* Data Are Included With The Adjacent County.

[continued]

TABLE 57
REPORTED CASES OF CERTAIN COMMUNICABLE DISEASES BY PLANNING DISTRICT AND CITY OR COUNTY VIRGINIA, 1990

PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE	AMEBIASIS	ASEPTIC MENINGITIS	CAMPYLOBACTER INFECTIONS	GIARDIASIS	HEPATITIS TYPE A	HEPATITIS TYPE B	HEPATITIS TYPE NON-A NON-B	HEPATITIS TYPE UNSPECIFIED	LEGIONELLOSIS	MALARIA	MEASLES (RUBEOLA)	MENINGOCOCCAL INFECTIONS	MUMPS	PERTUSSIS (WHOOPING COUGH)	ROCKY MOUNTAIN SPOTTED FEVER	SALMONELLOSIS	SHIGELLOSIS	TUBERCULOSIS
STATE OF VIRGINIA	18	386	598	359	302	279	46	148	13	54	86	58	108	25	25	1,491	158	410
DISTRICT 7		3	23	26	1	1		1				3	2			23	4	8
CLARKE			1	1								1				2		
FREDERICK		2	17	12	1							1				10	1	6
PAGE			2	8												3		1
SHENANDOAH		1	3	2				1				1				5	2	
WARREN				3		1							2			3	1	1
WINCHESTER*																		
DISTRICT 8	10	129	140	113	58	56	10	18	3	45	45	12	39	9	5	369	67	110
ARLINGTON	3	9	28	56	16	16	1	4		9	2	2	1			43	8	19
FAIRFAX	4	73	79	32	25	17	7	12	1	26	21	4	16	7	3	226	44	65
LOUDOUN		6	5	6	1							1				21	5	
PRINCE WILLIAM	3	32	10	15	13	11	1		2	3	21	2	9		2	44	6	9
ALEXANDRIA		9	18	4	3	12	1	2		7	1	3	13	2		35	4	17
FAIRFAX CITY*																		
FALLS CHURCH*																		
MANASSAS*																		
MANASSAS PARK*																		
DISTRICT 9		9	10	6	1	2		3			3	1	3		1	22		8
CULPEPER		2		3	1	1						1	1			6		1
FAUQUIER		4	4	2		1					3		1			13		5
MADISON		1	2	1				1								1		
ORANGE		2	4					2					1		1	2		2
RAPPAHANNOCK																		
DISTRICT 10		20	44	9	6	9		14	2		1	1	1		2	51	5	2
ALBEMARLE		11	35	8	5	6		12	1		1	1	1			40	4	1
FLUVANNA			6			1										3	1	
GREENE				1											1			
LOUISA		8	3		1	1		2							1	2		1
NELSON		1				1			1							6		
CHARLOTTESVILLE*																		
DISTRICT 11		10	17	7	5	5	1	1		1		4	1	3	1	38	9	1
AMHERST		1	2	2	2												1	
APPOMATTOX		2		2				1					1		1	2		
BEDFORD		1	3		1	2				1		2				3		
CAMPBELL		3	5		1		1									4		
BEDFORD CITY*																		
LYNCHBURG		3	7	3	1	3						2		3		29	8	1
DISTRICT 12		2	26	5	5	10	2	4				4		4		40	4	9
FRANKLIN		1	4		1		1	1				1		3		4		2
HENRY			10	2	3	6		1						1		10	2	3
PATRICK			6		1							1				2		2
PITTSYLVANIA		1	3	1		4		1				2				11	1	2
DANVILLE			3	2			1	1								13	1	
MARTINSVILLE*																		

* Data Are Included With The Adjacent County.

[continued]

TABLE 57
REPORTED CASES OF CERTAIN COMMUNICABLE DISEASES BY PLANNING DISTRICT AND CITY OR COUNTY VIRGINIA, 1990

PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE	AMEBIASIS	ASEPTIC MENINGITIS	CAMPYLOBACTER INFECTIONS	GIARDIASIS	HEPATITIS TYPE A	HEPATITIS TYPE B	HEPATITIS TYPE NON-A NON-B	HEPATITIS TYPE UNSPECIFIED	LEGIONELLOSIS	MALARIA	MEASLES (RUBEOLA)	MENINGOCOCCAL INFECTIONS	MUMPS	PERTUSSIS (WHOOPING COUGH)	ROCKY MOUNTAIN SPOTTED FEVER	SALMONELLOSIS	SHIGELLOSIS	TUBERCULOSIS
STATE OF VIRGINIA	18	386	598	359	302	279	46	148	13	54	86	58	108	25	25	1,491	158	410
DISTRICT 13			9			1	2	1							4	20		8
BRUNSWICK															2	3		1
HALIFAX			9			1	1									10		2
MECKLENBURG							1	1							2	7		5
SOUTH BOSTON*																		
DISTRICT 14		5	2	2	3	8		1							4	36	2	9
AMELIA					1	1										2		
BUCKINGHAM		1	1	2		2		1							1	1		1
CHARLOTTE		1													1	5	1	4
CUMBERLAND															1	5		1
LUNENBURG		1				1										1		
NOTTOWAY		2	1		1	1									1	10		2
PRINCE EDWARD					1	3										12	1	1
DISTRICT 15	3	55	87	51	47	47	3	17		4	15	7	4		5	273	12	47
CHARLES CITY COUNTY																3		1
CHESTERFIELD		16	28	24	12	16	1	4				3	1		3	68	3	4
GOOCHLAND		1				1										1		
HANOVER		3	9	1	1			1			15	1			1	15		4
HENRICO	3	16	28	18	18	12		1		3		1			1	68	4	13
NEW KENT		1	2													3		1
POWHATAN		1	2	2	4	1	2	1								6		
RICHMOND CITY		17	18	6	12	17		10		1		2	3			109	5	24
DISTRICT 16		4	3	1	2	3		2			4					31	3	7
CAROLINE						1										4		1
KING GEORGE																2		
SPOTSYLVANIA		2	1	1		1		1			1					7		3
STAFFORD		1	1		1	1					1					3		2
FREDERICKSBURG		1	1		1			1			2					15	3	1
DISTRICT 17		1	2	1	1	1		3							1	20	1	4
LANCASTER								2							1	3		2
NORTHUMBERLAND		1	1													7		1
RICHMOND																3	1	
WESTMORELAND			1	1	1	1		1								7		1
DISTRICT 18			1	1	3	1	1				1					11		1
ESSEX					1	1										3		
GLOUCESTER					2						1					3		
KING & QUEEN				1														
KING WILLIAM																2		
MATHEWS																2		
MIDDLESEX			1				1									1		1

* Data Are Included With The Adjacent County.

[continued]

TABLE 57
REPORTED CASES OF CERTAIN COMMUNICABLE DISEASES BY PLANNING DISTRICT AND CITY OR COUNTY VIRGINIA, 1990

PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE	AMEBIASIS	ASEPTIC MENINGITIS	CAMPYLOBACTER INFECTIONS	GIARDIASIS	HEPATITIS TYPE A	HEPATITIS TYPE B	HEPATITIS TYPE NON-A NON-B	HEPATITIS TYPE UNSPECIFIED	LEGIONELLOSIS	MALARIA	MEASLES (RUBEOLA)	MENINGOCOCCAL INFECTIONS	MUMPS	PERTUSSIS (WHOOPING COUGH)	ROCKY MOUNTAIN SPOTTED FEVER	SALMONELLOSIS	SHIGELLOSIS	TUBERCULOSIS
STATE OF VIRGINIA	18	386	598	359	302	279	46	148	13	54	86	58	108	25	25	1,491	158	410
DISTRICT 19		6	20	4	4	5	1	5	1			3	2			47	3	20
DINWIDDIE			1			1						1				6		3
GREENSVILLE					1			1								4	1	5
PRINCE GEORGE					1	1			1				1			1		1
SURRY		1														1	1	
SUSSEX			1					1								2		4
COLONIAL HEIGHTS		2	3										1			1		
EMPORIA*																		
HOPEWELL		1	1		2		1									10		2
PETERSBURG		2	14	4		3		3				2				22	1	5
DISTRICT 20	1	72	67	46	36	60	11	55	1	1	3	12	21	2	1	208	27	91
ISLE OF WIGHT		1	1	2	4	2		1								12		3
SOUTHAMPTON		1	1		1											9		7
CHESAPEAKE		7	11	9	3	4		2	1			3	2			29	1	9
FRANKLIN CITY			1										1			3		3
NORFOLK		33	8	15	10	13	2	39		1	1	6	4	1		36	14	13
PORTSMOUTH	1	7	11	4	5	15	3	4				1	2	1		18	2	15
SUFFOLK		5	12		3	8	1	3					5		1	19	1	15
VIRGINIA BEACH		19	22	16	10	18	5	6			2	2	7			82	9	26
DISTRICT 21	2	23	13	19	71	24	3	10	1	3	13	2	4			109	4	24
JAMES CITY COUNTY		1		2	2											4		1
YORK		4		1	2	1				1						16		
HAMPTON		9	3	8	29	9	1	1		1	2	1	1			17	3	9
NEWPORT NEWS	2	6	6	6	35	12	2	9	1	1	10	1	3			56	1	13
POQUOSON*																		
WILLIAMSBURG		3	4	2	3	2					1					16		1
DISTRICT 22		1		8	1	2		1						1		21	2	9
ACCOMACK				5		1								1		9	1	6
NORTHAMPTON		1		3	1	1		1								12	1	3

* Data Are Included With The Adjacent County.

TABLE 58
REPORTED CASES OF AIDS AND SEXUALLY TRANSMITTED DISEASES
BY PLANNING DISTRICT AND CITY OR COUNTY
VIRGINIA, 1990

PLANNING DISTRICT AND CITY / COUNTY	AIDS	HIV INFECTION	SYPHILIS		GONORRHEA	CHLAMYDIA TRACHOMATIS INFECTION	OTHER VENEREAL DISEASES
			Total Syphilis	Early Syphilis			
STATE OF VIRGINIA	650	1,142	2,133	1,551	17,652	13,391	9
DISTRICT 1	2		3	2	5	67	
LEE			1			12	
SCOTT					2	21	
WISE	2		2	2	2	30	
NORTON					1	4	
DISTRICT 2	2	1	6	5	7	88	
BUCHANAN						23	
DICKENSON	1					17	
RUSSELL		1	1		1	22	
TAZEWELL	1		5	5	6	26	
DISTRICT 3	6	5	14	13	28	264	
BLAND	1				1	11	
CARROLL		1	3	3	3	17	
GRAYSON			1	1	2	8	
SMYTH	1		3	3	6	53	
WASHINGTON		1			1	54	
WYTHE	1				3	46	
BRISTOL	2	2	7	6	8	58	
GALAX	1	1			4	17	
DISTRICT 4	6	1	3		26	304	
FLOYD					3	6	
GILES	1				2	4	
MONTGOMERY	2				12	188	
PULASKI	3	1	2		2	41	
RADFORD			1		7	65	
DISTRICT 5	14	57	75	64	892	287	1
ALLEGHANY					2	8	
BOTETOURT					7	11	
CRAIG					1	3	
ROANOKE					7	19	
CLIFTON FORGE					5	6	
COVINGTON					6	24	
ROANOKE CITY	13	56	69	59	856	204	1
SALEM	1	1	6	5	8	12	
DISTRICT 6	10	3	20	10	94	462	
AUGUSTA	2		2	1	7	30	
BATH			1		3	8	
HIGHLAND						1	
ROCKBRIDGE						11	
ROCKINGHAM	3	3	2	1	2	29	
BUENA VISTA	2		8	3	34	83	
HARRISONBURG					3	22	
LEXINGTON	3		3	2	21	201	
STAUNTON			1		4	33	
WAYNESBORO			3	3	20	44	
DISTRICT 7	4	2	22	12	104	243	
CLARKE			2	1	4	20	
FREDERICK	1	1	3	3	7	31	
PAGE					3	12	
SHENANDOAH	1		1	1	1	25	
WARREN		1	7	2	30	24	
WINCHESTER	2		9	5	59	131	
DISTRICT 8	236	272	540	249	1,879	1,821	2
ARLINGTON	30	39	134	49	293	246	
FAIRFAX	75	90	155	67	467	665	1
LOUDOUN	4	8	6	3	25	56	
PRINCE WILLIAM	22	36	39	17	186	284	
ALEXANDRIA	52	73	169	92	785	336	1
FAIRFAX CITY	4	15	2	2	1	8	
FALLS CHURCH	5	17	15	8	47	48	
MANASSAS	4	14	20	11	70	173	
MANASSAS PARK					5	5	
DISTRICT 9	7	2	10	10	125	239	
CULPEPER	4	2	4	4	62	96	
FAUQUIER	2				19	37	
MADISON			1	1	8	25	
ORANGE	1		5	5	34	69	
RAPPAHANNOCK					2	12	
DISTRICT 10	17	8	42	25	328	682	
ALBEMARLE	2				33	51	
FLUVANNA	2		5	2	19	37	
GREENE	1				13	11	
LOUISA	4	1	3	1	25	55	
NELSON					4	35	
CHARLOTTESVILLE	8	7	34	22	234	493	
DISTRICT 11	11	5	38	38	318	415	
AMHERST	1		4	4	14	38	
APPOMATTOX	1	1	3	3	19	26	
BEDFORD	2		1	1	9	11	
CAMPBELL			5	5	14	60	
BEDFORD CITY	1				7	18	
LYNCHBURG	6	4	25	25	255	262	

[continued]

TABLE 58
REPORTED CASES OF AIDS AND SEXUALLY TRANSMITTED DISEASES
BY PLANNING DISTRICT AND CITY OR COUNTY
VIRGINIA, 1990

PLANNING DISTRICT AND CITY / COUNTY	AIDS	HIV INFECTION	SYPHILIS		GONORRHEA	CHLAMYDIA TRACHOMATIS INFECTION	OTHER VENEREAL DISEASES
			Total Syphilis	Early Syphilis			
STATE OF VIRGINIA	440	1,047	1,131	1,538	17,958	12,384	9
DISTRICT 12	15	16	51	24	697	441	
FRANKLIN		2	3	1	21	38	
HENRY	2		3	1	58	58	
PATRICK	1	1			8	14	
PITTSYLVANIA		2	13	11	97	46	
DANVILLE	7	3	27	15	426	198	
MARTINSVILLE	5	8	3	2	87	103	
DISTRICT 13	6	11	11	8	137	165	
BRUNSWICK	2	3	7	4	54	42	
HALIFAX		1	1	1	24	29	
MECKLENBURG	3	5	2	2	37	53	
SOUTH BOSTON	1		1	1	22	41	
DISTRICT 14	5	16	21	18	80	248	
AMELIA			3	3	3	33	
BUCKINGHAM		4	5	5	19	71	
CHARLOTTE	1		4	3	8	42	
CUMBERLAND		1	2	2	2	46	
LUNENBURG		5			9	26	
NOTTOWAY	2	3	2	1	26	42	
PRINCE EDWARD	2	3	5	4	24	82	
DISTRICT 15	105	166	416	243	3,287	1,153	
CHARLES CITY COUNTY			1	1	13	13	
CHESTERFIELD	6	7	36	31	79	203	
GOOCHLAND			10	9	6	7	
HANOVER	1	5	8	4	41	64	
HENRICO	14	8	39	30	130	156	
NEW KENT					7	31	
POWHATAN	5	4	18	8	6	14	
RICHMOND CITY	79	144	307	159	3,005	1,365	
DISTRICT 16	11	1	9	5	130	221	
CAROLINE	1	1	5	2	39	47	
KING GEORGE	1				12	19	
SPOTSYLVANIA					7	49	
STAFFORD	3		1	1	15	72	
FREDERICKSBURG	7	2	3	2	47	124	
DISTRICT 17	2	4	11	11	93	231	
LANCASTER		3	2	2	16	31	
NORTHUMBERLAND	1		2	2	19	36	
RICHMOND		1	1	1	15	48	
WESTMORELAND	1		6	6	43	116	
DISTRICT 18	2	5	10	6	53	190	
ESSEX			1		12	41	
GLOUCESTER	2	4	1	1	14	56	
KING & QUEEN					5	32	
KING WILLIAM			5	3	12	37	
MATHEWS		1			4	18	
MIDDLESEX			3	2	6	16	
DISTRICT 19	19	21	119	103	622	630	
DINWIDDIE	1	2	32	30	37	38	
GREENSVILLE	1		1	1	21	6	
PRINCE GEORGE	2		7	3	10	29	
SURRY	1	1	2	2	8	33	
SUSSEX		1	15	15	31	79	
COLONIAL HEIGHTS	2	2	4	4	7	17	
EMPORIA	1	1	4	2	27	36	
HOPEWELL	3		14	14	16	42	
PETERSBURG	8	14	240	231	465	350	
DISTRICT 20	119	438	379	200	6,857	1,069	5
ISLE OF WIGHT		3	2	2	84	54	
SOUTHAMPTON		1	22	17	50	51	1
CHESAPEAKE	15	29	31	31	686	254	
FRANKLIN CITY	3	4	15	11	82	80	
NORFOLK	58	220	156	138	3,335	1,278	2
PORTSMOUTH	12	79	71	63	1,512	535	1
SUFFOLK	3	14	18	14	408	249	
VIRGINIA BEACH	28	92	64	34	723	562	1
DISTRICT 21	45	97	98	79	1,735	1,456	
JAMES CITY COUNTY					15	22	
YORK	3	3	2	1	41	27	
HAMPTON	26	34	36	33	659	455	
NEWPORT NEWS	11	47	51	43	928	382	
POQUOSON					1	2	
WILLIAMSBURG	5	13	9	2	91	170	
DISTRICT 22	7	1	33	18	155	203	1
ACCOMACK	5	4	19	10	82	136	1
NORTHAMPTON	2	5	16	8	73	67	